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PAPER TRADE JOURNAL

THE INTERNATIONAL WEEKLY OF THE PAPER AND PULP INDUSTRY.

ESTABLISHED IN 1872

Vol. LXIX. No. 17. NEW YORK AND CHICAGO, OCTOBER 23, 1919 {Per Annum, $4.00 / Single Copy, 10 Cents

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PAGE 19!

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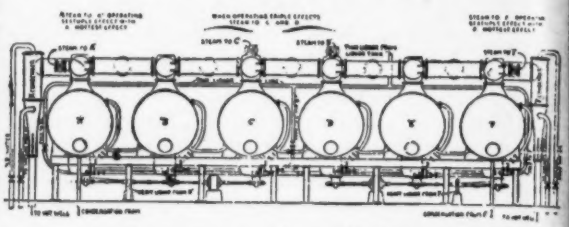

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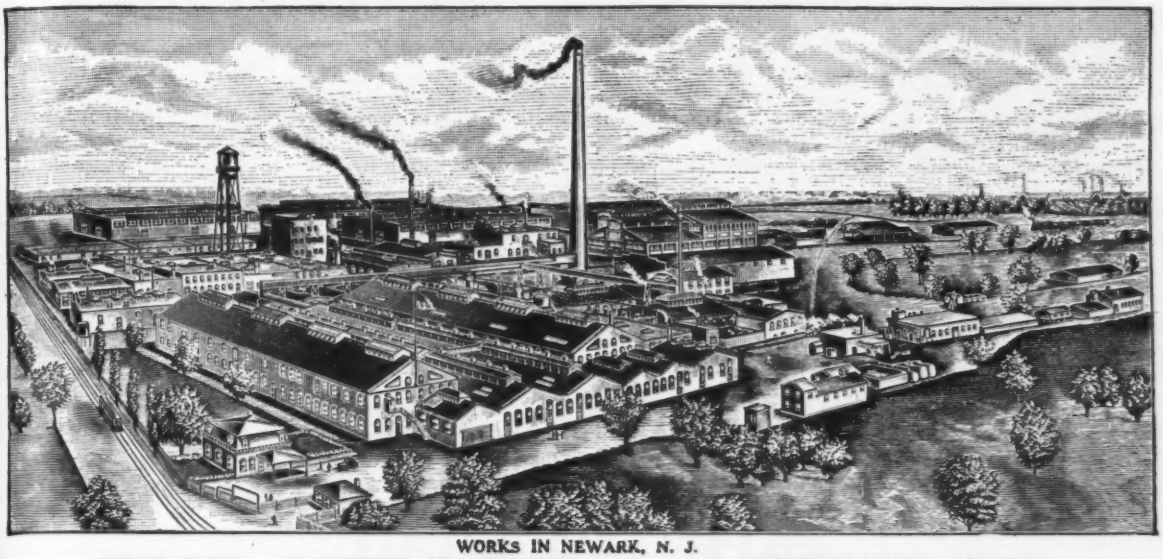

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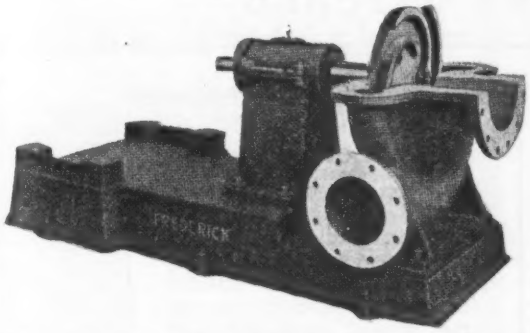

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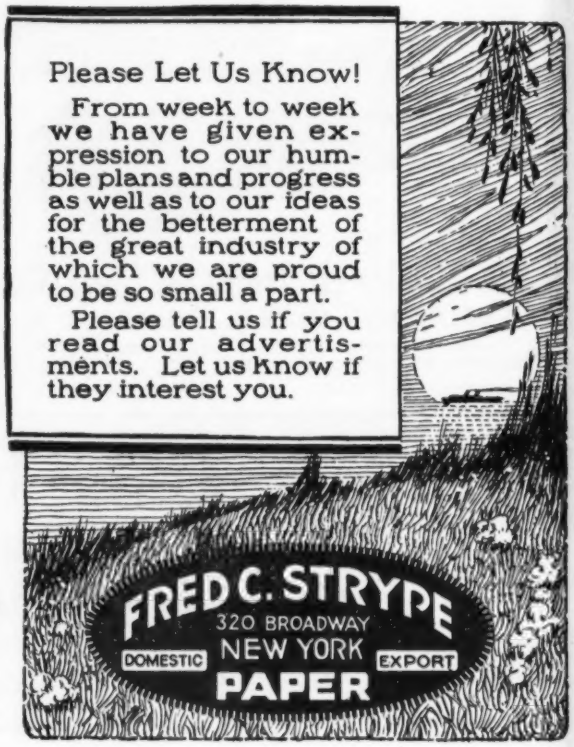

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THE INTERNATIONAL WEEKLY OF THE PAPER AND PULP INDUSTRY

FORTY-EIGHTH YEAR

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LESLIE R. PALMER, President — J. W. VAN GORDON, Vice-President

Telephone 2380 2381 2382 Vanderbilt — *10 EAST 39TH ST., N. Y., U. S. A.* — Cable Address: Catchow, New York

Western Publication Office—431 S. Dearborn Street, Chicago
New England Office—Room 46, 127 Federal Street, Boston
Washington Office—L. M. Lamm, 63 Home Life Bldg.
Western New England News Office—A. W. Anders, Holyoke
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Vol. LXIX. No. 17 — NEW YORK AND CHICAGO — Thursday, October 23, 1919

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PULP SITUATION IMPROVED IN SCANDINAVIAN COUNTRIES

Hans Lagerloef, President of the Lagerloef Trading Company, Who Has Just Returned From Europe, Says That Business in Scandinavian Cellulose to Our Market Has Again Started on a Basis That Promises Well for the Future—Factors Which Make Trading in Pulp Favorable With Finland—Some Ruling Quotations in Various Grades of Pulp—U. S. Held in High Esteem.

Hans Lagerloef, president of the Lagerloef Trading Company, who has just returned to New York from the Scandinavian countries, has furnished the following resumé regarding the pulp situation in those countries:

"Business in Scandinavian cellulose to our market has again started on a basis that promises well for the future. In 1918 while we were still at war this movement touched the low level for fifteen years as in that year approximately only 4,000 tons of cellulose came in from Sweden, our biggest European seller in normal times. According to best authority, up to August 31 this year about 20,000 tons of sulphite and sulphate have been contracted for from Sweden or shipped to U. S. A. and this business was mostly consummated within the last three months, but the importation is still far behind the figures of normal years. The reason is, to a degree, that the Swedes had quite a tonnage of cellulose on consignment in the warehouses at the Atlantic when the armistice was declared. This was goods that had been here for years in certain cases. We all remember the dullness in business after fighting had ceased, and in March and April the Swedes got panicky or pressed for funds and sent a man with authority over to their appointed agents to sell at best possible prices. This man went out to 'sell' not considering whether there was any business to be gotten or not. As a consequence of these forced sales the market broke badly and became extremely demoralized and a decent market with profit to the cellulose manufacturer seemed extremely far off. It was at the time when the American market was at its worst for European cellulose that Finland sent out a couple of ships with selected goods and for these prices were asked considerably higher than quotations then generally ruling. However, the Finnish qualities were such that the prices asked were obtained and this can be said to have been the turning point for a better pulp market as the Swedish consignments most stored at the Atlantic seaside had meanwhile been disposed of and the paper makers in the United States as well as the importers generally had to consider business on a basis of fresh goods for shipment from the other side and the trend of the market was fixed.

Mills Have Been Facing Great Hardships

"The cellulose mills in Scandinavia as the paper mill industries generally have been and are facing great hardships to be able to run at all a profit. Consider that the manufacturer pays for his coal $5.00 to $6.00 a ton delivered when on the other hand the Scandinavian mill man at the best pays five to six times as much and as a consequence no cellulose manufacturer or paper maker can think of using coal unless he can get it at about $24.00, at about which wood is being purchased, and therefore commonly used for these industries.

"Wood, as a consequence, has gone up in price by leaps and bounds and is now four times higher than before the war in 1914 and costs the mills per cbf for handling alone more than it cost prior to the war delivered at their mills, including the cost of the wood itself.

Transportation Greatly Increased

"Inland transportation has increased in cost proportionately and to think of shipping goods by rail during the winter from the Baltic to Gothenburg is impossible; formerly it was frequently done. Costs compare as follows: In 1914, $6.50; 1918, $15.25; 1919, $18.25, all per long ton. Travelling is just as bad, and when we complain that our rates have gone up, they are just about the double in cost in Sweden.

"It is the same story with practically all commodities. Sulphur stood in 1914 at $15.18; in 1919, $55.60 per ton delivered Swedish Eastcoast, but even this last figure is nominal as most sulphite mills have changed over to the use of pyrites, of which a good quality is obtained in Norway and from where it now is it can be moved freely without any restrictions.

Finland Hard Hit

"Finland has been hit even harder as to costs than Scandinavia proper and there everything is from six to eight times higher than in 1914 and would be at an insurmountable disadvantage with everybody else were it not that their exchange was down to such a low level which is the case in the United States, Great Britain, France, Italy and so on. The low exchange, efficient centralized selling organization, cheaper wood are the items that give the Finns a chance in spite of their disadvantages to assert themselves in cellulose, paper and boards, and to this I want to add special care and adaptness as to qualities wanted and needed on the markets where they have entered and are trying to conquer.

"Finland is now working under happy labor conditions, wages are high and the workingman, after having hungered and fared badly through the isolation, brought Finland through the war, and after the Red uprising, incited and financed by the Russian Bolsheviks, is now contented to work and behave, especially as the Finnish general trend is decidedly democratic in trying to improve housing conditions, etc. In short, the big companies have found it an excellent investment to look after their workingmen so as to make life as pleasant as possible even for the everyday man. The eight-hour working day is old history in Finland, whereas an eight-hour law working day has just been passed in Sweden and that country will have to get accustomed to what it means in increase of cost of the goods manufactured and especially in view of the labor shortage, what it means to procure the additional skilled help needed.

"Nowhere have people as yet been able to get up to prewar production for tonnage, but conditions are improving right along. Wood operations, as an instance, are much hampered for the mills owing to shortage of horses; these had, to a great extent, to be slaughtered for food, and where this was necessary they were often killed for lack of fodder.

Finnish Cellulose Union

"Finland is probably the first country to amalgamate a big whole industry into one unit for the benefit of all, as is the case with the Finnish Cellulose Union of Helsingfors. It is not a combine obnoxious to us under the Sherman or any anti-trust acts, as its actions and regulations and principles are alike whether it refers to business with the world at large or whether with a paper mill in Finland proper. The Finnish combine does all the selling inside Finland as

well as all export. It arranges all the exchange questions for each individual member and by controlling large amounts of money for goods sold in various countries and all principal money markets, is able to protect for the members the covering of purchases of raw materials by switching and otherwise most economically, then the cellulose mills buy their supplies of big commodities collectively and in that was savings are recorded, etc. By having one selling agency where all the mills selling pool the prices and divide proportionately, a system is evoked by which the mills making poor qualities or not keeping up to standard are severely censured and compelled by the others to take such steps that they do not fall behind in yield to the detriment of the others. The Finnish organization seems to be working famously and has many other advantages such as controlling large quantities, in arranging eonnage and getting oods there where they are needed and quickly by always being able to fill a full boat.

"Because of this it was possible for me to arrange for the loading of three full cargoes, one of the boats of not less than 8,000 tons and what was very encouraging, I am sure that two of the boats, if not all three, were American steamers flying Old Glory. I was happy to be able to secure these quantities to satisfy the insistent demand from America for Finnish qualities which seem to be just what the American paper has missed and has been looking for in quality.

"Finland is in for qualities of the highest order and further surprises of a pleasant nature may be expected when they have been able in that country to replace their worn out screens and other machinery. They have again begun to pick their bleached sulphite by hand, of course a very costly operation, but done for the benefit of the quality, and I know of no other place in the world where this is done.

Ruling Quotations

"Stocks of cellulose are small in Europe. Sweden has had for a long time a very much curtailed production, and in Finland there are not any stocks at all, in fact in certain commodities, such as easy-bleaching sulphites and easy-bleaching sulphates, there is an actual shortage; in fact it was quite a problem to drum up even a few hundred tons of each.

"When I left Europe on September 30, the following quotations seem to have been ruling for average qualities, viz.:

Prime Strong Mitscherlich Unbleached Sulphite, $90. per 2,000 pounds.

Prime Easy-Bleaching Unbleached Sulphite, $90/$100 per 2,000 pounds.

Prime Unbleached Kraft Pulp, $80 and up per 2,000 pounds.

Prime Bleached Sulphite, $140 and up per 2,000 pounds.

Ordinary Strong Unbleached Sulphite, $80/$85 per 2,000 pounds.

Prime Easy-Bleaching Unbleached Sulphate, $80/$90 per 2,000 pounds.

All ex. dock American Atlantic Seaport. During the extremely dull period following the armistice last November, some Swedish cellulose mills felt uneasy and also sold ahead some parcels of sulphites and krafts to middlemen at lower prices than those ruling, and as yet some of these qualities are still being offered to the detriment of the market in general. From Finland no such sales have taken place to middlemen for sale for own account.

United States Held in High Esteem

"It was touching to see and hear in what high esteem our country was held in Finland, and I recollect especially at a dinner given to me by the Finnish cellulose industry in Helsingfors, August 9, when my company was given the sole agency for the combined Finnish cellulose industry, in what glowing words our country was praised and in what high esteem it is held by the banker and business man down to the street vender on the corner.

"While fighting was still going on in driblets on the Russian-Finnish border, I was as close to the frontier as 90 miles from Petrograd, but nothing would make you see but that Finland was not totally at peace and had not been so for a long time, when your car would suddenly pass a cemetery and you would see row after row of thin, long graves, all with high blending white crosses on top and all deluged in flowers. Those were the graves of the heroes who fell in the Finnish war of Liberation or gave their all to put down the Red uprising which the Finns compare to our Civil war, although theirs was nothing compared to ours in anguish and sacrifice."

To Study American Forestry Methods

[FROM OUR REGULAR CORRESPONDENT.]

SYRACUSE, N. Y., Oct. 20, 1919.—Sweden, through the American-Scandinavian Foundation, has sent a trained forester, A. E. F. Schard, to the New York State College of Forestry at Syracuse for special study in American methods in forestry, on an interchange of students by which the United States sent Henry M. Melloney of the New York State College of Forestry to Sweden for study there. Both men rank as fellows of the American-Scandinavian Foundation, and will get a handsome financial allowance to make possible their securing the best information possible on forestry methods in the countries to which they are sent. Mr. Schard came to this country to study particularly timber transportation and commercial phases of forestry, and a special course has been arranged at Syracuse to permit him to do the special work which will be of value to him and promote international relations.

Mr. Schard has been in the Swedish forest service since his graduation from one of the big universities of his native land, and has traveled extensively in Germany and France and other countries studying forestry methods.

He is one of the first students ever sent to the United States for forestry study under the operation of the American-Scandinavian Foundation, and the recognition given the New York State College of Forestry is accentuated by the fact that this year marked the first time that the Philippine government has sent a student to Syracuse for forestry study, in the person of Luis J. Reyes who was in the Philippine forest service six years before coming here for special study.

Great Northern to Build Lumber Railroad

[FROM OUR REGULAR CORRESPONDENT.]

AUGUSTA, ME., October 20, 1919.—A lumber railroad is to be constructed by the Great Northern Paper Company, from a point on the West branch of the Penobscot river near Seboomook, eighteen miles into the forest. This road is to penetrate timberland which is located in the St. John river basin and as a result the lumber there will be made available for the company's mills at Millinocket.

Logs secured in this territory will be hauled to the shores of the Penobscot west branch, dumped into the river and driven to Millinocket and East Millinocket as are those cut on West branch waters. This means an added wood supply of many million feet for these two mills and at a much less expense than it could otherwise have been secured.

LUMBER, PULP AND PAPER MEN URGE CHANGE IN FOREST LAWS

Number of Representatives of the Canadian Pulp and Paper Association Meet With Committee of the Province of Quebec Limit Holders Association to Discuss Changes in the Regulations Governing Cutting of Timber on Crown Lands—Howard Smith Paper Mills, Ltd., Takes Over the Toronto Paper Co.—Pulp and Paper Mill is Projected at Lake Temiskaming by M. J. O'Brien.

[FROM OUR REGULAR CORRESPONDENT.]

MONTREAL, Que., October 20, 1919.—Many matters of vital importance to the lumber, pulp and paper industries were dealt with at a conference of delegates of lumber and paper interests in Quebec a day or two ago.

A number of representatives of the Canadian Pulp and Paper Association met with a committee of the Province of Quebec Limit Holders' Association to discuss certain changes in the regulations governing the cutting of timber on Crown Lands and the preservation and perpetuation of the forests. It was strongly urged that the Provincial Government should be approached to impress upon it the necessity of an early revision of those regulations in order to meet present conditions.

It was pointed out by several of the speakers at the conference that the regulations should be changed to prolong the life of the forests of this province and insure a supply for the future. As the end of the stock of merchantable timber which may be cut from so called virgin forests is in sight, and as it has been shown that a sufficient amount of merchantable timber to make its cutting commercially possible cannot be expected on cut-over lands under fifty years, it is imperatively necessary to devise ways and means to prevent waste, and to cut so that a sufficient crop may be obtained at the earliest possible moment.

It was held that the Provincial Government should be prepared to give full co-operation to the licensees as well as bear its fair share of the cost. The license holder on the other hand is in duty bound to support the Government in the elimination of every possible waste.

Following the conference a large delegation visited the Parliament Buildings and interviewed the Minister of Lands and Forests for the province.

The delegation was given an extended hearing by the minister, Hon. Honore Mercier, and after they had fully explained the desires of their various associations and organizations, he requested that they appoint a small committee to fully discuss the matter at some near date with himself and Mr. Piche, head of the forestry department, when the many details of the new regulations suggested by the delegation would be carefully studied and fully investigated.

Hon. Mr. Mercier assured the delegation that he was always ready to hear any suggestions or propositions which might tend to develop and protect one of the greatest assets of the province, the great timber limits and forests, which form one of the most important and valuable natural resources of this part of the Dominion.

After the interview with the minister, the members of the delegation expressed their satisfaction at the manner in which they had been received by Hon. Mr. Mercier.

Among Those Present

Among the members of the special committee representing the Woodlands section of the Canadian Pulp and Paper Association who were present at the conference were: Ellwood Wilson, Laurentide Company, Ltd., Grand Mere, Que., chairman; R. P. Kernan, Donnacona Paper Company, Quebec, Que.; W. Gerard Power, River Ouelle Pulp and Lumber Company, St. Pacome, Que.; P. W. Buchanan, Brompton Pulp and Paper Company, East Angue, Que.; Brig.-Gen. J. B. White, Riordon Pulp and Paper Co., Ltd., Montreal; Roy Campbell, Riordon Pulp and Paper Company, Ltd., Montreal; W. P. Clarke, Gulf Pulp and Paper Co., Clarke City, Que.; J. M. Dalton, St. Maurice Paper Company, Cap Madeleine, Que.; B. Gauthier, Bathurst Lumber Company, Ltd., Bonaventure, Que.; T. F. Kenny, Jas. Maclaren Company, Buckingham, Que.; M. H. Montgomery, Montgomery & Sons, Ltd., New Richmond, Que.; Arthur J. Price, Price Bros. & Company, Quebec; William Russell, James Richardson Co., Ltd., Matane, Que.; R. S. P. Smythe, St. Anne Lumber Co., Ltd., St. Anne des Monts, Gaspe Co., Que.; R. O. Sweezy, Royal Securities Corporation, Montreal, Que.; Mr. Anderson, Canada Paper Company, Windsor Mills, Que.; A. L. Dawe, secretary, Canadian Pulp and Paper Association, Montreal, Que.

Howard Smith Takes Over Toronto Paper Co.

The Howard Smith Paper Mills, Ltd., of Montreal, has just agreed to purchase the plant and business of the Toronto Paper Company and has arranged to pay cash for the stock of that company. The stock is to be taken over at the price of $138, which means that the amount involved in the transfer will be one hundred million dollars. President R. S. Waldie, of the Toronto Paper Company, in announcing the deal, issued the following statement:

"The directors have decided to accept this offer for their own stock, and the shareholders have the same privilege. Thirty days have been granted to complete the transactions. Notices are being prepared for the shareholders at once." The announcement adds that the offer came home from C. Howard Smith, president of the purchasing company.

It is improbable that a meeting of the shareholders of Toronto Paper will be considered necessary, as the directors control the majority of the stock, and they are only called upon to deliver 51 per cent of the stock to the Howard Smith Company. It will then be left to the other shareholders to suit themselves as to whether they sell or not.

The price of 138 which the directors will obtain, and which allows them a coming dividend of 5 per cent, is higher than the current quotation on Toronto Paper which reached $130 on the Exchanges this week.

The Toronto Paper Company was originally organized by the late John R. Barber, M. P. P., and after his death it was conducted for a time by G. P. Grant, of the Dominion Bond Company, and after the failure of that institution, Mr. Waldie and his associates took it over and have conducted it up to the present. The company has a paper mill at Cornwall, where it turns out mainly a medium grade of writing paper. The Howard Smith Company specializes also in writing paper, though of a somewhat higher quality.

Big New Paper Project

Preliminary surveys have been completed for the large pulp and paper mill to be established at the north end of Lake Temiskaming by M. J. O'Brien, the twenty-million-dollar corporation which controls the O'Brien Silver Mine at Cobalt and the Mill-Lake O'Brien Mine at Gowganda, as well as other large interests. This scheme, as announced in these columns some months ago, is connected with the enterprise for the development of great water power on the Quinze River of which the O'Brien interests have obtained control. It is estimated that from one hundred thousand to two hundred and fifty thousand horsepower can be developed on this river. Now, that the preliminary surveys are completed, it is said that as soon as conditions appear to be reasonably favorable and there is a reasonable assurance of an adequate labor supply, the big project will be announced.

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PAPER PRICES IN CHICAGO FIRMER IN ALL BRANCHES

Reports From the Mills Are That They Are Constantly Getting More and More Behind—Numerous Mills Are Handicapped by Labor Troubles—Trade is Interested in the Possibilities of Securing Additional Business by the Removal of Publications From New York to Chicago—W. N. Gillett, of the Chicago Paper Company, to Address Typothetae on "Paper."

[FROM OUR REGULAR CORRESPONDENT.]

CHICAGO, October 18, 1919.—The paper market here in all its branches has been more firm during the past week. Reports from the mills are to the effect that they are getting more and more behind, and there is a crying need for more production. While paper manufacturers are striving to secure this, they are not making much progress, on their own admission. The difficulties in the way seem too numerous and too great. Many of the mills in the middle western district are bothered with labor troubles. These troubles, as a general rule, are easy of adjustment, the men in some department or other being out for three or four days, but of course this slows down the work of the other departments. In some sections, also, there has been a complaint of car shortage. This difficulty seems to become more severe as the winter season approaches. With the majority of the mills, however, the shipment of paper has been fairly prompt once the mills have been able to get it turned out. The paper jobbers of the city are very busy, for they are experiencing a live business from their customers. Every printing shop in Chicago is working full blast, and it is said to be difficult to get any of the large houses to accept a new piece of work of any dimensions.

Prospects For New Business

The paper trade of the city is naturally much interested in the troubles of the publishers in New York, and especially in the reports that some of the largest magazines, which have always been published in New York, will be published in Chicago in the future. Of course, this may mean some change in the placing of the paper contracts for these publications; at least new and important business prospects will be brought to Chicago, with the possibility that they will place their paper orders through Chicago firms. Among the magazines which are believed to have made overtures to Chicago printing firms are the Cosmopolitan, Hearst's Magazine, Good Housekeeping and Collier's Weekly. The Chicago printing houses, however, have no use for temporary arrangements, such as have been sought by a number of the eastern publishers. If they wish to come to Chicago to make their permanent headquarters here, the printers are ready and anxious to talk business with them, but not otherwise. The printers of the city seem to be quite in accord on this point.

W. N. Gillett to Speak on Paper

W. N. Gillett, of the Chicago Paper Company, and secretary of the Western Paper Merchants' Association, has been appointed by the Franklin Typothetae, the local organization of employing printers, to address the estimating class of that organization on the subject of paper on several occasions during the coming winter. The estimating class is made up of a hundred or more ambitious young salesmen for local printing houses. The management of the estimating course has arranged to have an expert in each field of the work studied come into the class-room to give the salesmen first-class practical information on the particular subject of which he is master. Mr. Gillett is a deep student of paper in its application to printing, and is also an entertaining and pleasing talker, who is well fitted in every respect to undertake a work of this sort.

Wrapping Paper Association Meets

The Chicago Wrapping Paper Association will hold an important meeting on October 30, at the Hotel Randolph. This is the regular monthly meeting of the organization, but owing to the importance of some of the subjects which will be brought up for discussion it will have more significance for members than the ordinary regular meeting. Problems of distribution, collection, cost and similar subjects will be given consideration at the meeting. The membership of the Association has grown rapidly in recent years, until now it is probable that the membership does 85 per cent of all the business in coarse paper which is done in the city. It is possible that some new members will be taken into the organization at the forthcoming meeting. The matter of costs is one of the most important now engaging the attention of the Association. It has not been possible to get a uniform cost system into operation in the plants of members, owing to the varied lines and ramifications, but it is believed by some of the members who have given study to the matter that such a cost system is possible.

General News of the Trade

The Container Club of Chicago is getting out a booklet telling the story of the 1,000 cans of tomatoes which were sent to the American Army overseas in solid fiber and corrugated paper containers. The booklet will be sent to any interested party who addresses the Container Club, Transportation Building, Chicago.

The Wrapping Paper Service Bureau held a meeting at the Hotel La Salle last week for the purpose of discussing matters pertaining to the service. About a dozen coarse paper men from various points attended the meeting.

D. F. Peck, of the D. F. Peck Paper Company, has returned to the city after finishing an out of town trip.

Frank Borchers, of the Menasha Paper Company, who returned to the city last week after spending six months in the Orient, said that the hardships relative to travel in the Far East are very real. "Water is the greatest trouble," he said. "If you drink the water they put on the tables in the hotels you are flirting with death. We made special arrangements for our water all the time we were gone. The food was most vile everywhere. However, if you can stand the drink and the food, it is a place to go to see sights you can never forget." Mr. Borchers was surprised and pleased at the vast improvement in the paper business, since, when he left last spring, things were generally slow.

Howard Helmer, of Beecher, Peck & Lewis, Detroit, paid a visit to the city during the week.

Alex Gilman, of the Monarch Paper Company, was one of last week's out of town visitors.

C. H. Phipps, of the Watab Pulp and Paper Company, Sartell, Minn., recently paid a visit to the city.

M. D. McAlpine, of Bradner, Smith & Co., has returned to the city after visiting at some of the mills.

Louis Dwyer, of the Seaman Paper Company, visited the mills in the Miami Valley last week.

Henry Hagen, of the Conway Building, has returned from a trip to St. Louis, Mo.

John Swigart, of the Swigart Paper Company, recently visited in the eastern section of the country.

Ray Parker, of Parker, Thomas & Tucker, has returned from an out of town business trip.

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TRADE MARK

AMERICAN WRITING PAPER CO. TO PUT NEW PAPER ON MARKET

Will be Made by Riverside No. 1 Division Mill and a Department Has Been Developed That Will Devote Its Entire Time to Merchandizing the New Lines—Creighton Whiting Severs His Connection With the Ewing Paper Mills to Go With the American Writing Paper Co.—American Writing Paper Co. Starts Safety First Campaign Which Promises Gratifying Results,

[FROM OUR REGULAR CORRESPONDENT.]

HOLYOKE, MASS., October 20, 1919.—The American Writing Paper Company plans to increase its lines of paper on the market and will soon add two new lines of shadow-craft papers. One stock line will be known as "Bond d' Agigle, which will be made from five grades of Bond and one of superfine. The actual grade and substance weight is to be water marked in every sheet. The papers have been standardized in the company's department of Technical control and represent all the grades of rag content bond. The other line will be shadow-craft Bond made with the same grades that compose the first mentioned but will be water marked with designs belonging to the ultimate consumers of bond paper.

In order to promote the sales of these grades, which will be manufactured in the Riverside No. 1 division mill, the company has developed a department that will devote its entire time to merchandising these papers. This department will be under the supervision of F. W. Hastings.

Goes With American Writing

The most recent addition to the sales force at the American Writing Paper Company is Creighton Whiting who has relinquished his connections with the Erving Paper Mills at Erving, to come to the American Writing. His experience in the paper industry has extended over a decade and is a hard worker. While sales manager for the Erving Mills, Mr. Whiting covered the Eastern territory as far as Chicago, being highly successful.

Safety First Campaign

The American Writing Paper Company is waging a safety first campaign which is bound to have very gratifying results. The company is sending out propaganda to its employees urging every one to be extremely careful and to avoid accidents. In a circular just issued the company says: "The American Writing Paper Company is safeguarding its machinery in every possible way. It asks its employees to co-operate in eliminating unnecessary accidents. Remember that mechanical devices, systems, and rules for the prevention of industrial accidents avail nothing without human caution." The company has established first aid hospitals in the Beebe & Holbrook, George R. Dickinson, Mount Tom and Riverside Divisions, which are regularly attended by a trained nurse. The company further points out that in classifying the accidents that have occurred at the various plants during the first seven months of the year, 70 per cent were caused, not by defective or unguarded machinery, but by simple carelessness. The company is to be congratulated for its campaign to check accidents.

Paper Men in Chamber of Commerce

The committee of re-organization and expansion of the Holyoke Chamber of Commerce has now been completed with the addition of several well-known local paper mill officials. The additions to the executive committee include Harry W. Alexander, assistant to the President of the American Writing Paper Company, R. Franklin McElwain, vice-president of both the Crocker-McElwain Company and Chemical Paper Manufacturing Company, B. E. Hutchinson of the American Writing Paper Company, Sidney S. Rogers of the Chemical Paper Manufacturing Company, Frank E. Taylor of the Taylor-Logan Company, papermakers, Edward S. Towne, assistant treasurer of the Blank Book Company, Joseph B. Weis, president of the Perfect Safety Paper Co., Edward N. White of the White & Wyckoff Manufacturing Company and George Savoy of the National Blank Book Company.

Credit Men Meet

An assembly of Credit Men was held at the Hotel Nonotuck last Friday evening. The meeting was called for the purpose of securing a closer affiliation of all credit interests in Western Massachusetts and was attended by representatives from the whole surrounding district. E. B. Moran of New York, manager of the Interchange Department, explained the purpose and practice of the Credit Interchange Bureau, which is intended to prevent the opening of undesirable accounts. The following constitutes the Holyoke members: American Writing Paper Company, W. C. Wharfield; American Pad and Paper Company, George W. Brainerd; Crocker-McElwain Company, Clifton A. Crocker; Judd Paper Company, Philip N. Judd; Japanese Tissue Mills, William H. Bond; National Blank Book Company, Z. D. B. Hallett; White & Wyckoff Manufacturing Company, Wilber F. Gillett.

Taxes Paid By Paper Concerns

It's a question what Holyoke would do without its large paper manufacturing interests. The list of taxes to be paid into the local treasury as issued the other day discloses what a vast amount of money pours into the city treasury annually from tax revenue paid by the paper manufacturers. The American Writing Paper Company, with its thirteen or more mills, is the largest taxpayer, and this year is called upon to pay $22,279 more than last year. Its total taxes are $153,332. Some of the other large taxpayers are: American Pad and Paper Company, $2,265; B. F. Perkins and Son, Inc., $2,391; Baker-Vawter Company, $3,245; Chemical Paper Manufacturing Company, $14,410; Crocker-McElwain Company, $11,131; Hampden Glazed Paper and Card Company, $3,696; National Blank Book Company, $14,021; Newton Paper Company, $4,173; Parsons Paper Company, $11,312; United States Envelope Company, $3,526; Valley Paper Company, $7,678; Whiting Paper Company, $15,470; Whitmore Manufacturing Company, $3,058; White & Wyckoff Manufacturing Company, $5,199.

Central Ohio Paper Company to Build

TOLEDO, Ohio, October 20, 1919.—The business of the Central Ohio Paper Company, 106 Ontario street, has outgrown the new four-story building built three years ago. Next spring the company will construct a new warehouse on the property recently acquired on Morris street bordering the B. & O. tracks.

The new location will be within one block of Summit street extension. The tentative plan now is to build a building there to use in conjunction with the present Ontario street building.

When the concrete-steel structure on Ontario street was put up three years ago it was thought it would be sufficient to supply necessary storage space for the company for at least eight or nine years. This building is 66 by 115 feet.

The new building probably will occupy the entire 120 by 120-foot site. The height of the building has not been determined.

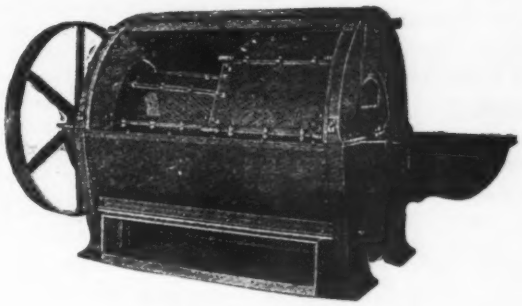
The company handles paper of all kinds.

Other Ohio branches of the Central Ohio are at Columbus and Cleveland.

"IMPROVED" KNOTTER

for the first screening of sulphite, sulphate or ground wood pulp

We shall be glad to furnish data and samples of the work this machine will do in actual use.



Knotter Design No. 2

The cost of power and upkeep is extremely small and the results are very satisfactory.

WE ASK A THOROUGH INVESTIGATION

IMPROVED PAPER MACHINERY CO.

NASHUA, N. H., U. S. A.

The Sandy Hill Iron & Brass Works

Hudson Falls, N. Y.

Manufacturers of **Paper and Pulp Mill Machinery**

NASHUA GUMMED PAPER CO. TO BUILD LARGE ADDITION

Capacity of the Plant will be Doubled by the Improvement Contemplated — Col. H. E. Talbott, Vice President of the Mead Pulp and Paper Co., Leaves for Canada to Look Aftea Trade Interests in General — Chatfield & Woods Co Decides to Capitalize at $600,000 — Gas Shortage Handicaps Industrial Concerns — Other Trade News of the Miami Valley—Paper From Cotton Linters.

[FROM OUR REGULAR CORRESPONDENT.]

DAYTON, Ohio, October 20, 1919.—Extensive additions to the plant of the Nashua Gummed and Coated Paper Company at Middletown, will be made as soon as possible, according to plans and specifications which now are being prepared, and it is said to be probable that the capacity of the factory will be doubled.

This will mark an important step in the progress of this concern which, only two years ago, established a branch establishment in the Miami Valley, having secured what then were considered as commodious quarters. The growth of the business has been gratifying in the extreme and the fact that the company is preparing for substantial improvements, indicates that it has unbounded confidence in the future.

L. C. Anderson, who is general manager of the company, and who also is a prominent official of the P. A. Sorg Paper Company of Middletown, believes it will be possible to complete the additions by January 1, by which time he hopes the output will be twice that of the present.

Under the plans, two buildings will be added to the present mill, one of which will be a three-story structure with deep basement and will be 71 by 120 feet in dimensions. The other will be a single story building 200 feet in length and 40 feet wide.

It is planned to begin construction on the buildings as soon as the contracts are awarded, which will be in the near future. There is no reason why from seventy to one hundred additional men cannot be employed, in the general manager's opinion, and the completion of the improvements is expected to be followed by an immediate enlargement of the working force.

Despite the brief existence of the Middletown branch, it has leaped forward until it now is recognized as one of the leading gummed and coated paper manufacturing concerns in the country.

Paper Concerns Prosper

That paper concerns, not only mill enterprises but wholesale paper houses, are proving profitable and popular investments for the general public, is evidenced every now and then. It was attested this week once more when the Chatfield & Woods Company, which has a branch in this city, decided to capitalize at $600,000—$200,000 of which will be in common stock and $400,000 in preferred. All of the common—or very near all—is held by officials of the company, while the preferred is to be offered the public at par by a syndicate composed of W. F. Hutton & Co., and W. H. Fillmore & Co.

The Chatfield & Woods Company long has been established in the paper business in Cincinnati. It was incorporated in 1890, following a partnership that was formed by William Chatfield and John Woods in 1859. At that time the partnership took over a business that had been established prior to 1840.

The company has a branch in Pittsburgh and controls, through stock ownership, paper houses in Detroit and Chicago.

The proceeds of the sale of the preferred stock are to be used as added working capital and to replace money paid for the purchase of a new building at Pittsburgh.

It is understood that with the preferred stock outstanding the balance sheet of the company shows net tangible assets equal to three and one-half times the preferred stock and net quick assets of twice the preferred. The company agrees to maintain net quick assets at 130 per cent of the preferred at all times. The surplus and undivided profits are given as $802,250. During the past three years the company reported average net earnings available for dividends, of $125,467, equal to four and one-half times the preferred dividend after all charges. Regular dividends of ten per cent on the common have been paid by the company since 1890, a record that is admittedly commendable. Harry F. Woods is the president of the company; William H. Chatfield, vice-president; E. H. Shields, treasurer, and Thomas H. Scallan, secretary.

Col. Talbott Visits in Canada

Col. H. E. Talbott, vice-president of the Mead Pulp and Paper Company, and who is interested in the Spanish River Pulp and Paper Mills, Ltd., is leaving for Canada this week to inspect the plant and to look after trade interests in general. Colonel Talbott has a "warm spot in his heart" for Canada, for it was at Sault Ste. Marie that he rebuilt, or rather duplicated, the great pulp plant on the Canadian side. Originally called to Canada on a waterway plan, he gradually drifted into the pulp and paper business and it was not long until he had made a transformation that attracted nation-wide attention.

A striking feature that attracted your correspondent's attention when he called on the promoter of the original enterprise some years ago, was the complete installation of pulp grinding machines manufactured in Dayton. The mill was in course of construction and a description of the vast undertaking which then was published in PAPER TRADE JOURNAL, showed the supremacy of Miami Valley machinery, the Dayton Globe Iron Works having supplied all of the pulp machinery.

Gas Shortage Proves Handicap

The gas shortage has already struck Ohio. In this city only a warning has been issued by the Dayton Gas Company, which obtains its supply from the West Virginia fields, but there is scarcely any doubt, with the first sign of a scarcity of the fluid, that the manufacturing and business establishments will be cut off in order that domestic consumers may be supplied as far as possible.

Last week, owing to a reported shortage of gas, the Ashtabula Gas Company, it is stated here, shut off all industrial consumers, several of the largest plants having been affected. At Conneaut, manufacturers were notified by the superintendent of the gas company that the gas supply would be cut off and officials of various plants obtained from the Common Pleas court five temporary injunctions against the Northeastern Oil and Gas Company. So much in a hurry were the manufacturers that they went to the court at night, with their attorneys, to secure the writs of injunction.

To Make Paper From Cotton Linters

A press dispatch from Memphis, Tenn., says, "Manufacture of paper stock from cotton linters, declared by experts recently to be possible and also advisable in view of the decreasing supply of pulp wood, will be started in two mills to be erected here soon and in Augusta, Ga. Officers of the Buckeye Cotton Oil Company made the announcement to-day."

Itinerant Trotsky's may as well trotoff'ski

The classy edition (who said "classic"?) of "A Further Palaver on Paper", just finished by the Roycrofters for us, shoots a lot of interesting dope on KVP—not full of holes either—including some observations of an "outsider" on labor conditions at the mill. Most of the boys and girls out here work with us and not for us, which helps put KVP quality into such of our paper as *you* use.

The book is democratically free!

Kalamazoo Vegetable Parchment Company

KALAMAZOO, MICHIGAN

"World's Model Paper Mill"

Makers of Vegetable Parchment, Bond and Waxed Paper

KvP

"DRYDEN" KRAFT PULP

Extra Strong, Long Pure Sulphate Fibre

Daily Capacity 120,000 Pounds

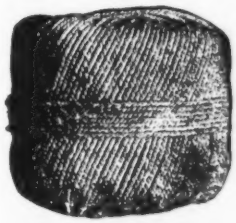
KRAFT WRAPPING SHEATHING PAPERS

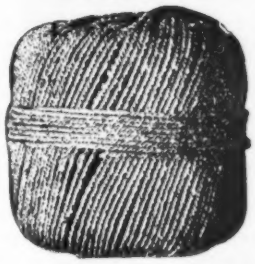
Daily Capacity 45,000 Pounds.

The Dryden Pulp & Paper Co., Ltd.

Dryden, Ontario, Canada

"AMERICAN" TWINES





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Mills and Sales Office:

NOBLE AND WEST STREETS, BROOKLYN, NEW YORK CITY

BIDS AND SPECIFICATIONS FOR GOVERNMENT PAPER

Purchasing Officer of the Government Printing Office Opens Bids for Various Lots of Paper at Interesting Prices—Purchasing Officer of the Government Printing Office Announces Awards on Several Lots of Paper on Which Bids Were Opened Recently—Purchasing Officers of the Panama Canal Opens Bids on Several Lots of Paper and Announces Awards on Other Lots.

[FROM OUR REGULAR CORRESPONDENT.]

WASHINGTON, D. C., October 14, 1919.—The Purchasing Officer of the Government Printing Office has received the following paper bids:

258,000 pounds (3,000 reams) of 38x48—86, white S. & S. C. printing paper; American Writing Paper Company, at $.1125 per pound.

10,000 pounds (2,000 sheets) of 34x44 No. 10 medium hard-paper; D. L. Ward Company, at $.105 per pound; Dobler & Mudge, at $.125; and Whitaker Paper Company, at $.105.

10,000 pounds (2,000 sheet) of 34x44 No. 10 medium hard-rolled flat trunk board; Kerr Paper Company, at $.03825 per pound; Philip Rudolph & Sons, at $.04225; C. L. La Boiteaux Company, at $.0395; W. O. Davey Company, at $.045; D. L. Ward Company, at $.04695; Whitaker Paper Company, at $.135; S. Otens & Co., at $.05; Dobler & Mudge, at $.0425.

3,250 pounds (50 reams) of 20½x29—50, deckle edge white antique printing paper; George W. Millar & Co., at $.1675 per pound; Mathers-Lamm Paper Company, at $.1675; Whitaker Paper Company, at $.165; Strathmore Paper Company, at $.24; Dobler & Mudge, at $.16; Seymour Paper Company, at $.20; and R. P. Andrews Paper Company, at $.25.

20 reams (10,000 sheets) of 36x48, gray pressboard; D. L. Ward Company, at $.1425 per pound; Whitaker Paper Company, at $.14; Republic Bag & Paper Company, at $.1625; Mathers-Lamm Paper Company, at $.1355; George W. Millar & Co., at $.1275; R. P. Andrews Paper Company, at $.1349; Dobler & Mudge, at $.202; Rodgers Paper Company, at $.16; and Carter, Rice & Co., at $.1314.

16,000 pounds (500 reams) of 22x34 No. 16 high machine finish yellow writing paper; George W. Millar & Co., at $.14, $.155, $.195 and $.19; Edward Grossman, at $.19; Aetna Paper Company, at $.1423; Dobler & Mudge, at $.135; and American Writing Paper Company, at $.1275.

56,000 pounds (2,000 reams) of 24x32 No. 28 white machine finish printing paper; George W. Millar & Co., at $.1175 per pound; Dobler & Mudge, at $.109; and American Writing Paper Company, at $.1085.

32,500 pounds (650 reams) of dawn, suede and sage rough wove cover paper; R. P. Andrews Paper Company, at $.1095 per pound; Dobler & Mudge, at $.125; Niagara Paper Company, at $.14; Peninsular Paper Company, at $.125; Mathers-Lamm Paper Company, at $.13; Old Dominion Paper Company, at $.13374; Knowlton Brothers Company, at $.10; Edward Grossman, at $.126; George W. Millar & Co., at $.1325; Whitaker Paper Company(at $.12; D. L. Ward & Company, at $.13; and American Writing Paper Company, at $.1045.

5,000 pounds (100 reams) of 20x25—50, quaker drab rough cover paper; R. P. Andrews Paper Company, at $.107; Dobler & Mudge, at $.12; Peninsular Paper Company, at $.12; Mathers-Lamm Paper Company, at $.125; Old Dominion Paper Company, at $.12839; Knowlton Brothers Company, at $.1025; Edward Grossman Company, at $.126; George W. Millar & Co., at $.1275; Whitaker Paper Company, at $.10; D. L. Ward & Co., at $.125; and American Writing Paper Company, at $.102.

35,150 pounds (700 reams) of white wove writing paper; American Writing Paper Company, at $.1635 per pound; Hawthorne Paper Company, at $.17; Southworth Company, at $.26; Strathmore Paper Company, at $.22; Graham Paper Company, at $.179; George W. Millar & Co., at $.2325; Merriam Paper Company, at $.1825; D. L. Ward & Co., at $.30; Dobler & Mudge, at $.22; R. P. Andrews Paper Company, at $.175; Whitaker Paper Company, at $.16 and $.19; and Aetna Paper Company, at $.1623.

5,750 pounds (100 reams) of 21x32 No. 32 flat yellow wove commercial ledger paper; Worthy Paper Company, at $.25 per pound; D. L. Ward & Co., at $.31.

The Purchasing Officer of the Government Printing Office has received the following paper bids:

500,000 pounds of No. 1 white M. F. printing paper in 38" rolls, basis of 25x38—40; Whitaker Paper Company, at $.0852 per pound; Dobler & Mudge, at $.085; and Kalamazoo Paper Company, at $.085.

5,750 pounds of white bond or writing paper in 17" rolls, basis of 17x28—11½; American Writing Paper Company, at $.1595 per pound; R. P. Andrews Paper Company, at $.299; Esleeck Manufacturing Company, at $.264, $.31 and $.28½; D. L. Ward & Co., at $.32; Dobler & Mudge, at $.30; and Whitaker Paper Company, at $.30.

232,950 pounds (6,700 reams) of various sizes of white writing paper; American Writing Paper Company, at $.162 per pound; Strathmore Paper Company, at $.22; Hawthorne Paper Company, at $.16; George W. Millar & Co., at $.217 and $.244; Aetna Paper Company, at $.1549; Merriam Paper Company, at $.18¼; Whitaker Paper Company, at $.19 and $.16; R. P. Andrews Paper Company, at $.16; D. L. Ward & Co., at $.19, $.18 and $.16; Dobler & Mudge, at $.17¼; Graham Paper Company, at $.167; Stone & Andrew, at $.214 and $.2125; Leworth & Culbertson, at $.1985; and Berkshire Paper Company, at $.25.

40,000 pounds of No. 13 white wove writing paper in 9" rolls; Old Dominion Paper Company, at $.1432 per pound; Dobler & Mudge, at $.111; and American Writing Paper Company, at $.123.

12,500 pounds (250 reams) of 20x25—50, smooth granite cover paper; Mathers-Lamm Paper Company, at $.124 per pound; R. P. Andrews Paper Company, at $.106; Peninsular Paper Company, at $.12; Niagara Paper Company, at $.12; Whitaker Paper Company, at $.12 and $.10; Dobler & Mudge, at $.12; Old Dominion Paper Company, at $.1432; Knowlton Brothers Company, at $.10; Graham Paper Company, at $.1297 and $.118; D. L. Ward Company, at $.0998; Old Dominion Paper Company, at $.12726; and American Writing Paper Company, at $.099.

11,500 pounds (100 reams) of 38x38—115, kraft wrapping paper; Old Dominion Paper Company, at $.0963 per pound; Walton Company, at $.0748; Thomas Barrett & Sons, at $.095; D. L. Ward Company, at $.08; Stone & Andrew, at $.09625; Carter, Rice Corporation, at $.0939; Domestic Mills Paper Company, at $.07625; Republic Bag & Paper Company, at $.10; Whitaker Paper Company, at $.075; and R. P. Andrews Paper Company, at $.0895.

9,600 pounds (300 reams) of 22x34—No. 16 salmon writing paper; Whitaker Paper Company, at $.20 per pound; American Writing Paper Company, at $.1734; Old Dominion Paper Company, at $.19424; Dobler & Mudge, at $.18½ and $.241; Merriam Paper Company, at $.24½; Stone & Andrew, at $.23; Aetna Paper Company, at $.1684; D. L. Ward & Company, at $.199; and R. P. Andrews Paper Company, at $.1845.

(*Continued on page* 46)

Fine Writings and the Walpole Screen

Some of the finest Bonds and Ledgers are now screened through the Walpole--a rotary screen designed and built to handle long fibre, slow working stock.

These papers are more uniform in weight, cleaner and made at much higher speed than when the stock was screened through the old type screen, which clogged and required constant attention.

The output of these mills is now measured by the capacity of the machine, not by the screen. Continous operation over long periods is the rule, not the exception.

The names of mills making your grade of paper with the Walpole Screen will be gladly furnished together with full information upon request.

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ALL ARE GIVING SATISFACTION ON

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Labor costs go lower

It took a "gang" to stack a pile in the old step-to step, hand-to-hand, man-to-man way—and the operation was longer than a "Peace Conference." Something had to be done—and a REVOLVATOR does it—because two men and a REVOLVATOR can stack twice as much, twice as high in half the time. One man can take a REVOLVATOR any place, throw on a load, sping the revolving case toward the pile, turn the crank, raise the load and the fellow on top can slide it off easily—a REVOLVATOR is the "Steel Giant" that makes *piles higher* and labor *costs lower*.

Let us get to the "bottom" of your piling problems and show you a way to the "top."

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GRAVITY AND PRESSURE TYPES

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How We Are Developing the Biggest Paper Towel Market in the World.

Have you ever stopped to think that practically every factory, office, hotel, school, store, or public building of any sort represents a sales prospect for Northern Fibre Folded Towels?

At the same time have you ever considered that in every one of these institutions there is at least one influencial official who reads either the Saturday Evening Post or the Literary Digest consistently?

The great advertising campaign now in full swing—the biggest campaign ever launched on a folded fibre towel—is reaching practically every possible purchaser of Northern Fibre Folded Towels.

This campaign is producing a big volume of new business.

Every inquiry and every order received from this advertising is turned over to Northern Paper Mills paper merchants to handle.

The campaign now being conducted on Northern Fibre Folded Towels consists of double page spreads and full pages in the Literary Digest, Saturday Evening Post, Factory, System, American School Board Journal and Building and Building Management, running throughout the year.

Northern Paper Mills, Green Bay, Wis.

Also Makers of Northern Fibre Tissue for Lavatories

Northern

TRADE MARK

FIBRE FOLDED TOWELS

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Your Color problems will be efficiently taken care of, if submitted to our Special Papermakers Laboratories

Marden, Orth & Hastings Corporation

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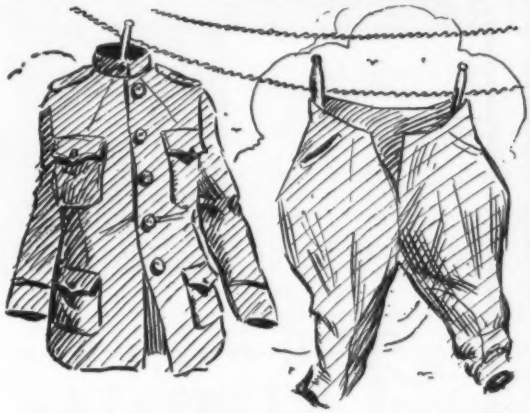

UNIFORM DRYING

UNIFORM drying is the goal of every paper maker because the quality and quantity of production *depends* upon it but—uniforn drying can only be accomplished by constantly maintaining a *uniiorm* temperature in the cylinders.

Hand regulation won't do because it's a *physical* impossibility to detect and check every temperature change. Neither will pressure regulators "fill the bill" because paper drying is a *temperature* and not a pressure problem.

THE WHITMAN SYSTEM

OF

Temperature Control for Dryers

is the only logical and self-paying method because it is the *only* device operating on the correct principle—viz., keeping the temperature of the dryers uniform by *varying* the steam pressure within the manifold.

These automatic variations of the steam pressure are in exact accordance with the fluctuations which disturb the *normal* equivalent of pressure and temperature—also in accordance with the *variable* amount of steam required as the paper changes in moisture content.

Write for Bulletin T-101 TODAY.
It will provide further details of interest.

G. S. WHITMAN, Sr.

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JORDAN ENGINE FILLINGS,
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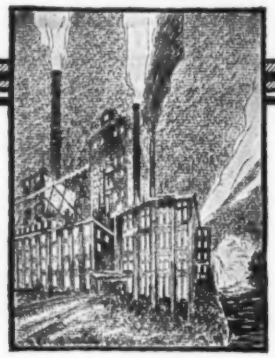
of every description used in Paper and Pulp Mills.

Designed to meet specific needs and of uniformly High Grade.

John W. Bolton and Sons, Inc.
LAWRENCE, MASS.



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Editorial

Vol. LXIX. New York, October 23, 1919. No. 17

FORTY-EIGHTH YEAR

Service to America

Of course, you want to help.

November 2, 1919, begins the biggest campaign the Red Cross has ever undertaken. Our hands are stretched out to help the suffering overseas—we are pledged to that—but in the big march of progress we are knocking at American doors with the story of better health, better sanitation, better opportunities, and better living conditions.

"It is the primary ambition of the American Red Cross to be of service to Americans," said Dr. Livingston Farrand, after announcing the peace program of the Red Cross in a recent address.

"First on the peace program for America is nation-wide activity for the promotion of public health and hand-in-hand with the crusade will go a vigorous campaign for the extension of the country's nursing resources; the broadening of Red Cross Home Service that in the war proved so helpful through the assistance it was able to give the families of soldiers and sailors, and which is to be of general use where other social agencies are lacking; greatly increased Junior Red Cross activities; extension of Red Cross facilities for emergency disaster relief; completion of relief measures for the victims of the war in this country and overseas, and preparation to fulfill whatever duties may be laid upon it as the official volunteer relief society authorized to assist the Army and Navy.

"The Red Cross authorities realize that the astonishing generosity of the American people during the war and the present high cost of living at home might legitimately lead many to expect a release from further demands for assistance to other peoples," continued Dr. Farrand, "but we must remember that our Allies were much harder hit by the war than we were and that we have incurred obligations to them which honor demands shall be discharged. In naming the sum of $15,000,000 for the campaign the Red Cross tried to determine the smallest amount which will enable it to round out its work and make effective the donation of Army goods rather than estimate the generosity of the American people. Large vigorous chapters are necessary to carry on the work. For this reason the enrollment of members is the chief purpose of the November Campaign."

Rigid Economy Must Be Practiced

Bad luck in business lies not so much in the stars as in the business man himself according to business statisticians. Eighty-six per cent of the business failures in the United States in 1918 were classed as due to the individual, while only fourteen per cent were assigned to outside causes. Among the factors of the eighty-six per cent of failures, compilers of figures numbered extravagance, lack of capital, and speculation outside regular business.

The Savings Division of the Treasury has pointed out that thrift, savings and safe investment are the antidotes for the toxic virus in the veins of business. Tens of millions of dollars were lost last year through waste of labor and material. Over $500,000,000 annually is being lost in the United States through speculation in fraudulent stocks. Lack of capital is holding up thousands of enterprises which would go far toward meeting lack of employment and scarcity of production.

Thrift and rigid economy, both business and personal, must replace extravagance if the crisis engendered by the high cost of necessities is to be met. New capital can be produced most easily and most certainly through saving. Safe investment will add to instead of detract from the business assets of the nation.

"Lack of character is one of the chief contributing causes to commercial failure," according to J. Harry Tregoe, secretary-treasurer of the National Association of Credit Men. Thrift saving and safe investment not only are proofs of character, but developers of character.

R. G. Dunn & Co. reports 4,586 failures, involving $88,941,608, from January 1 to September 30 of this year. It is with the reduction of these figures the increase of production and prosperity in mind that the Savings Division of the Treasury Department is prosecuting its campaign for regular and consistent saving, the elimination of waste and investment in Liberty Bonds, War Savings Stamps and Treasury Savings Certificates.

Perpetuating Pulpwood Supply

Canada produces annually about $100,000,000 worth of pulp and paper products. During the past ten years, especially, the industry has made rapid progress, until it is now one of the most important in the country, says *Conservation*. The three outstanding requisites for the maintenance of the industry are large accessible forest areas, particularly of spruce and balsam, adequate cheap power, preferably water power, and a plentiful supply of labor. As to the two former, nature has been prodigal in her gifts to Canada. Water power is not only abundantly but is widely distributed. The virgin coniferous forests of Eastern Canada were of vast extent, and it is, perhaps, not entirely surprising that the early settlers and explorers considered them to be all but illimitable.

But for at least thirty years, keen observers have foreseen the possibility and, indeed, the probability, of exhausting the natural supply of pulpwood. The rapid growth of the paper industry has brought the time within measurable distance. The larger producers of paper, particularly in Quebec and Northern Ontario, where the industry is mainly centered, have scented the danger and have taken initial steps to put the pulpwood forests on a permanent basis. It goes without saying that it is a great advantage to have an adequate supply of pulpwood forests at the "back door" of the mills. Consequently, extensive planting of cut-over lands has already been undertaken.

What is of at least equal significance and importance, scientific studies of forest conditions are being carried out as quickly as possible; guesswork is to cease. Even expert estimates, valuable as they are in the absence of more exact data, are to be supplemented by both extensive and intensive studies of tree growth, the relations that exist in forest stands between different species of trees, the effect of different methods of cutting and slashing on the future forest crop, the range and control of injurious insects and plant diseases, and the influence of climate on the reproduction of forests. Each of these problems has a vital bearing on reforestation, and only the lack of trained workers, coupled with man's faith in his unproved assumptions, prevented the study of them a generation ago.

The studies are now being conducted under joint governmental and private auspices. Some of the larger pulp companies have entered into a co-operative arrangement with the Commission of Conservation to carry on such studies on their limits, which have been cut over at various periods, some of them three or four times. The investigation, which is under the general supervision of Dr. C. D. Howe, Acting Dean of the Faculty of Forestry of the University of Toronto, will require several years to complete. A start was made three years ago on the limits of the Laurentide Company. Two years ago work was also commenced on the limits of the Riordon Company, and this year on the limits of the Abitibi Power and Paper Company. Such research is well worthy of a more general application and will doubtless prove to be a factor of no small importance in perpetuating and possibly extending the great pulpwood forests of Central Canada.

Convention of Mill Superintendents

The annual convention of the American Pulp and Paper Mill Superintendents' Association will be held in Chicago November 6 and 7, at the Hotel Congress.

At the convention, methods of production and manufacture will be discussed, and prominent authorities along special lines will address the meetings. It is expected that practically every mill superintendent in the United States will attend the convention.

The program of the convention follows:

Thursday, November 6—Morning Session

9:00 A. M. Registration in Florentine Room, Hotel Congress.
9:30 A. M. Opening address by Mayor Thompson.
Report of Sulphite Committee, by D. F. O'Connell, Chairman.
Report of Box Board Committee, by Henry Bert, Chairman.
Report of Ground Wood Committee, by John E. Mulcahey, Chairman.
Report of Beater Room Committee, by G. W. Mericle, Chairman.
Address on Casein, by Harry L. Derby, Vice-President of the Kalbfleisch Chemical Corporation, New York.

Thursday, November 6—Afternoon Session

12:30 P. M. Automobile Trip to the United States Rubber Company.
1:00 P. M. Buffet Lunch.
2:30 P. M. Automobile Trip to the Chicago Mill and Lumber Company.
4:30 P. M. Return to Hotel Congress.
9:00 A. M. Industrial Relations, by Geo. P. Hambrecht.

Thursday, November 6—Evening Session

6:30 P. M. Dinner and Entertainment, Florentine Room.

Friday, November 7—Morning Session

Paper Mill Cost System, by W. T. Schmitt.
Preservation of Paper Mill Roofs, by K. Barth.
12:00 M. Luncheon, Florentine Room.

Friday, November 7—Afternoon Session

Combined Meeting of Printing and Paper Mill Superintendents
1:30 P. M. Relation of Ink and Paper in Half-tone Printing, by H. P. Carruth.
Manufacture of Coated Papers, by Ed. T. A. Coughlin.
Testing of Papers, by Otto Kress.
Difficulties Encountered in Printing Papers, by Peter J. Massey.
General Discussion.

Friday, November 7—Evening Session

6:30 P. M. Banquet, Florentine Room.

Retire From M. Gottesman & Co.

M. Gottesman & Co., Inc., wood pulp merchants, New York, have sent out to the trade notices announcing that Mendel Gottesman and Saul Gottesman have retired from all connection with the corporation and its affairs.

D. S. Gottesman, who has for many years been in active charge of the management of the business, will, as president of the company, continue to direct the management and policy which have been responsible for the cordial relationship between the company and its friends.

Mendel and Saul Gottesman will henceforth devote their entire time to the Hudson Trading Company, from which company D. S. Gottesman retires. M. Gottesman & Co., Inc., and the Hudson Trading Company will be operated as separate and distinct organizations.

Baltimore Association Elects Officers

BALTIMORE, Md., October 20, 1919.—At the annual meeting of the Baltimore and Southern Paper Trade Association, held on September 24, 1919, the following officers were elected for the ensuing year:

President, B. W. Lipscomb; Vice-President, B. W. Barton; Secretary, John C. Burke; Treasurer, Charles W. Beers.

Executive Committee—Albert T. Tennyson, Chairman; R. J. McGregor, Robert Johnson, Jr.; Harry A. Lengnick, W. B. Littleton.

EDWIN BUTTERWORTH & CO.
MANCHESTER, ENGLAND
Packers of all kinds of
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"WATERBURY"
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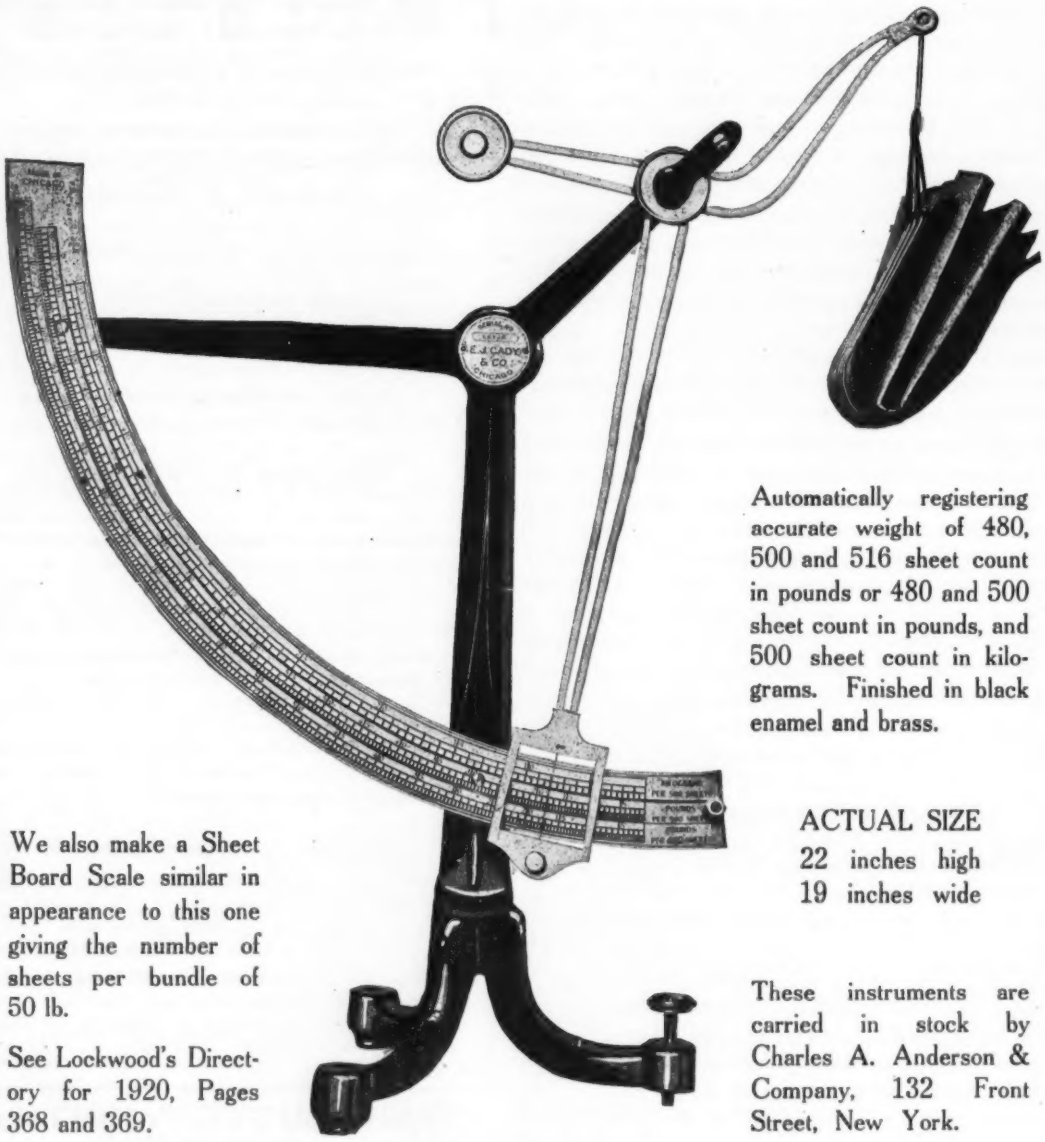
ORISKANY, N. Y.
OUR TIGHT FITTING, DIAMOND "W" JACKETS
WILL NOT LICK UP AT ANY SPEED
1869 MADE ONLY AND GUARANTEED BY 1918
H. WATERBURY AND SONS COMPANY, ORISKANY, N. Y



Automatically registering accurate weight of 480, 500 and 516 sheet count in pounds or 480 and 500 sheet count in pounds, and 500 sheet count in kilograms. Finished in black enamel and brass.

ACTUAL SIZE
22 inches high
19 inches wide

We also make a Sheet Board Scale similar in appearance to this one giving the number of sheets per bundle of 50 lb.

See Lockwood's Directory for 1920, Pages 368 and 369.

These instruments are carried in stock by Charles A. Anderson & Company, 132 Front Street, New York.

Price $35.00

Securely Packed, F. O. B. Our Factory

Made in Chicago, U. S. A.

E. J. Cady & Company

326 West Madison Street **Chicago, Ill.**

NORTHERN BRAND

BLEACHING POWDER (HIGH TEST)

CAUSTIC SODA 76-78% N. Y. & L.

MICHIGAN ELECTROCHEMICAL COMPANY

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Bache Trading Co., Inc.

Importers and Dealers in

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W. M. PRINGLE & CO., INC.

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of absolutely the finest quality

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White and Tinted Bristols — White Blanks — Index Bristol and Specialties in Card Boards.

Job Lots, Rejections, Side Rolls Wanted

SPOT CASH paid for jobs in bond paper, white or colors, any grade that will cut down to 11 x 17, any weight. Send samples, with lowest spot cash prices. No lot too small, and none too large.

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BLOOMER BROS. COMPANY

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Paper Specialties Factory

Paper Board Mill

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Packers of All Grades of Waste Paper

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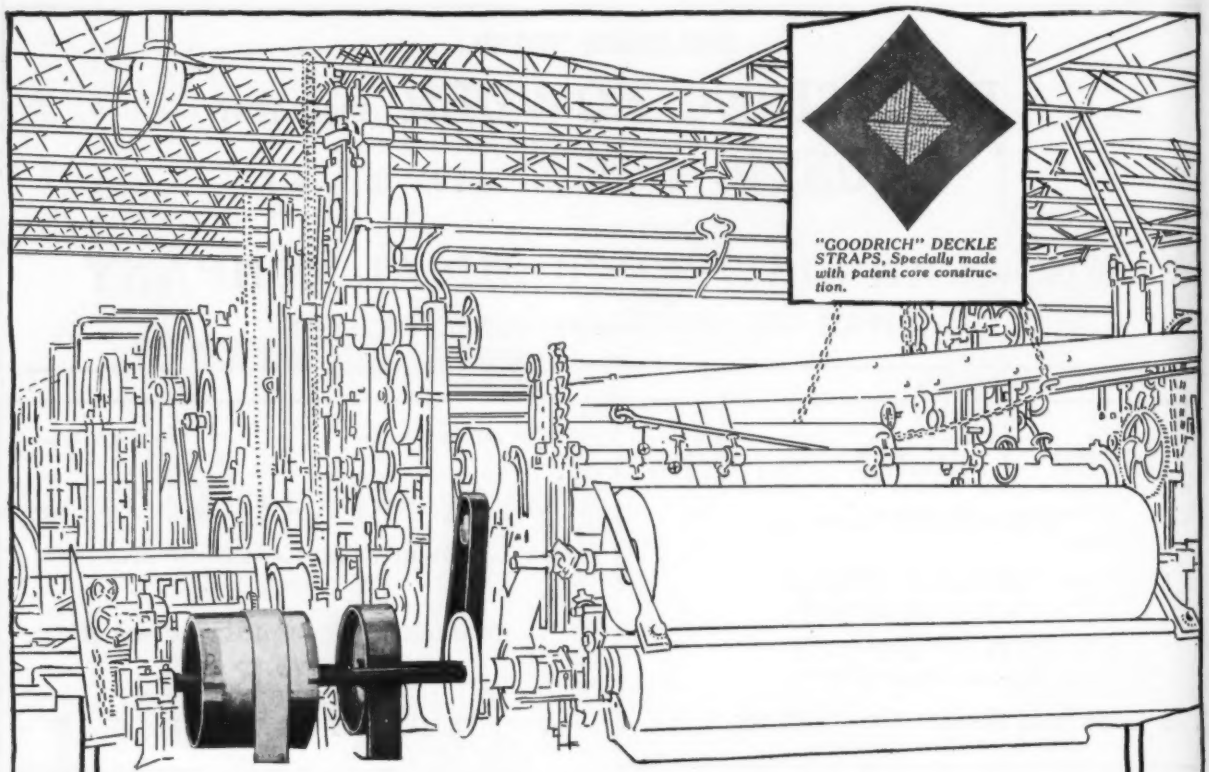

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There is a reason why Rubber Products made the Goodrich way last long without appreciable wear—and INCREASE Production.

For Fifty years Goodrich have made Rubber Goods for the Paper Mill Industry. In Manufacturing, they have been guided by men who know the Trade from A-Z, and every process has been controlled by the research and experiments of our Rubber Chemists.

Our line is Complete--Here are some of our Products.

"COMMANDER" Transmission Belting for Main Drive, Beaters, Jordans, Winders, and wherever Horsepower is to be transmitted with least slip and waste wear. "COMMANDER" has a cover impervious to water.

"GOODRICH" Rubber covered Press, Squeeze and Couch Rolls. Accurately ground and finished, and uniform always.

"GOODRICH" Hose, Water Steam, Boiler Washout, Fire and Pneumatic. The best of their kind. Long-ageing, Kink-free and Strong.

Goodrich Deckle Straps, specially made with patent core construction. They last longer, and can be used on all four sides. Also screen diaphragms, Paper Machine aprons, HI-PRESS Rubber Footwear, Industrial Truck Tires.

Goodrich De Luxe Truck Tires keep Paper Hauling Trucks in better condition. Make the schedule Regular, and help protect shipments from damage incident to overload transit.

We can help you lower your Production costs thru Goodrich Industrial Rubber Goods. Write us in detail.

THE B. F. GOODRICH RUBBER COMPANY
The City of Goodrich—AKRON, OHIO

TRADE MARK

GOODRICH
RUBBER GOODS *for the*
PAPER MILL INDUSTRY

The West Virginia Pulp & Paper Co., Mechanicville, N. Y., having six machines are now 100% equipped with the FEENEY AUTOMATIC STUFF BOX, as here illustrated, shipments to them being as follows:

1.....Nov. 27, 1914	1.....Feb. 29, 1916
1.....July 2, 1915	1.....Dec. 9, 1916
1.....July 14, 1915	1.....July 18, 1919

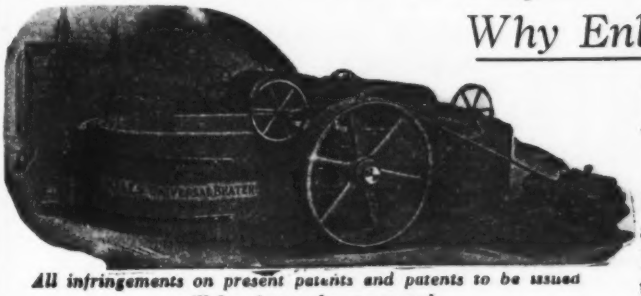
Isn't this sufficiently convincing of the desirability of this device? Manufactured exclusively by

BAKER MANUFACTURING CORPORATION
Formerly BAKER & SHEVLIN COMPANY
SARATOGA SPRINGS, N. Y.

Fourdrinier and Cylinder Paper Machines

Why Enlarge Your Beater Room?

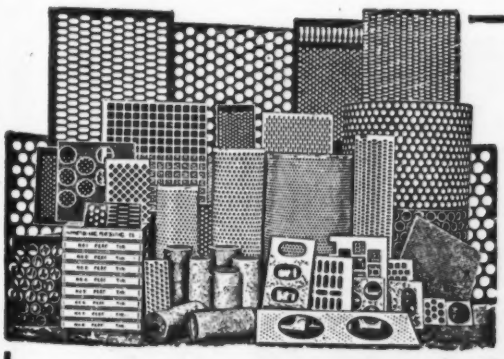
Why Add More Power?



All infringements on present patents and patents to be issued will be vigorously prosecuted

This beater reduces stock to fibre of equal or better quality in half to one quarter of the time and with a saving of power which is remarkable. Do not take our word. Investigate. Manufactured by

MILLS MACHINE COMPANY .·. Lawrence, Mass., U. S. A.
Builders of all kinds of paper mill machinery



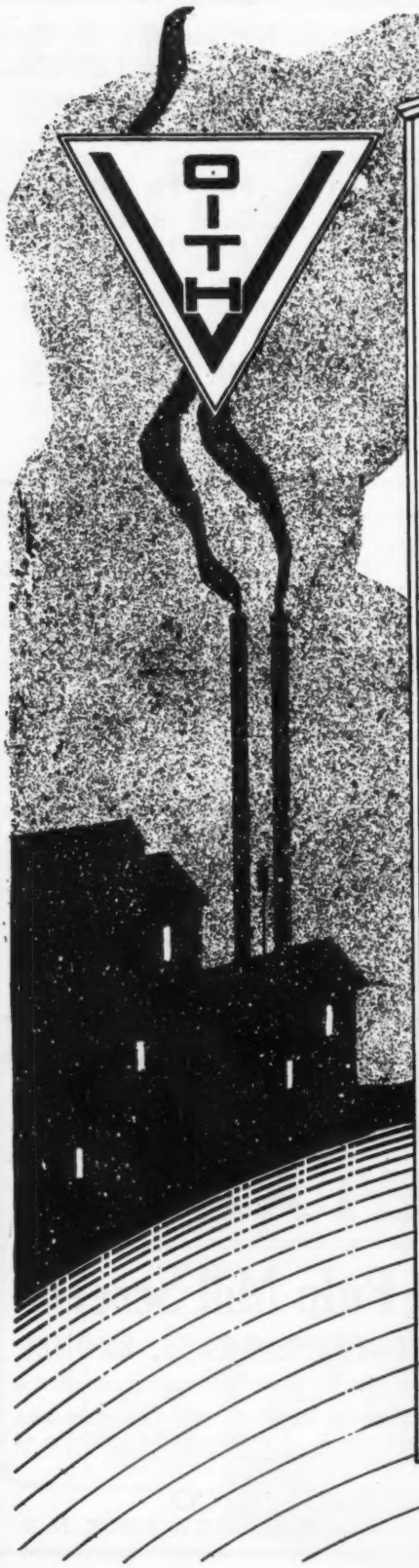
PERFORATED METALS

Paper and Pulp Mill Screens

STEEL, IRON, COPPER, BRASS, BRONZE
FOR

Centrifugal and Rotary Screens—Drainer—Bottoms—Filter Plates—Pulp Washers, etc All sizes and shapes of holes in many thicknesses and dimensions of sheets. Accuracy in all details and excellence of quality at lowest consistent prices.

THE HARRINGTON & KING PERFORATING CO.
618 NORTH UNION AVE., CHICAGO., ILL. 114 LIBERTY ST., NEW YORK, N. Y.



The VOITH Centrifugal Screen for mechanical and chemical pulp manufacture embodies several essential improvements that cannot help but increase the yeild of pulp with noticeable cutting of production costs.

It is a compact machine taking up a minimum of floor space yet it is a veritable giant for work. All vital working parts are easily accessible, it is simply and easily set up, it is economical of power, it has only two bearings on the drive shaft, it has no stuffing boxes to give trouble, it provides excellent assorting of the pulp and therefore higher yield of the wood in chemical pulp and a saving in power on mechanical pulp. Positive opening and washing of chemical and straw pulp which means easier bleaching.

This machine is necessary to the increase of production in your mill and we have all the facts waiting your inquiry. Write us today.

J. M. Vioth Company, Inc.

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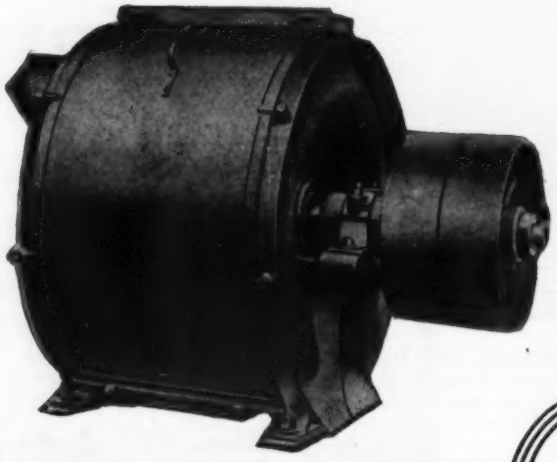

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Actual necessities for all those who make, sell or purchase paper in any form. The thousands in daily use testify to their efficiency.

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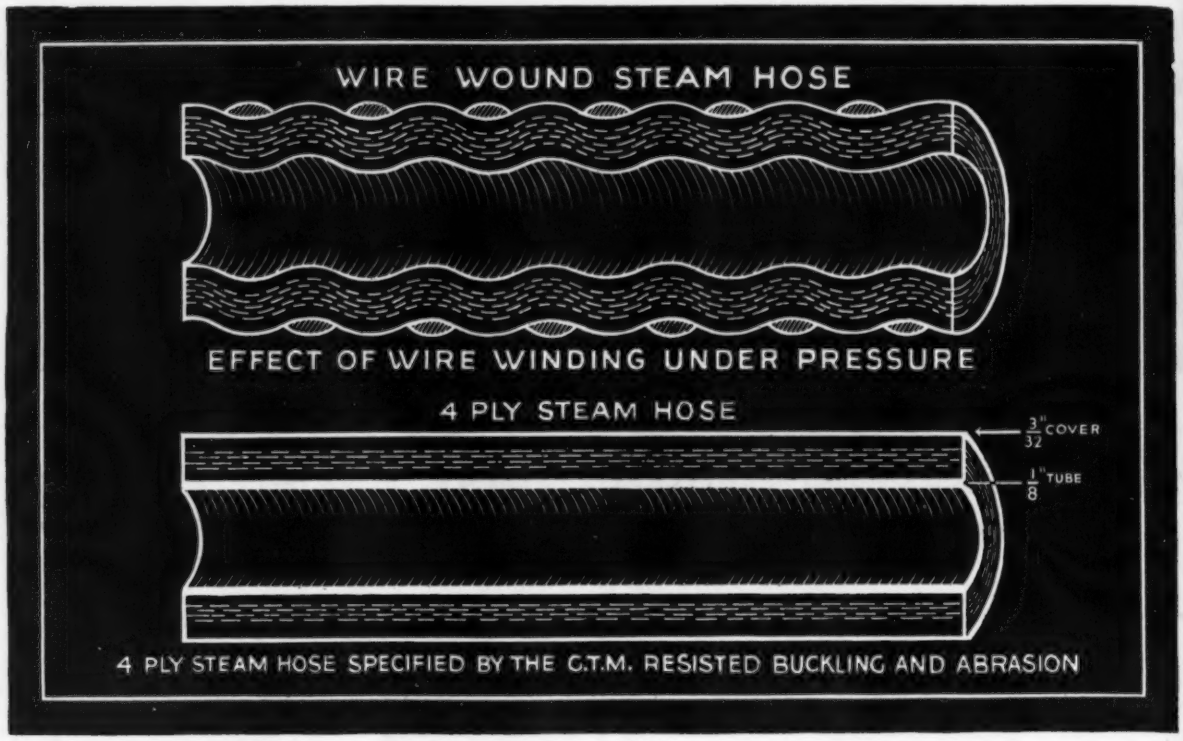


Steam, Wire, Rubber—and the G. T. M.

That steam hose had to be protected with wire, was long taken for granted by the Beach City Silica Sand Company, at Beach City, Ohio. Of course the hose had a habit of suddenly choking up and having to be discarded, but it had always done that, so they thought it was natural enough. In their experience, hose and steam didn't go well together anyway, and besides the wire seemed necessary for protecting the cover when it was dragged over sand, gravel and rock.

But one day a G. T. M.—Goodyear Technical Man—called on Mr. Oliver, president and general manager. And before he left he showed Mr. Oliver something about wire, steam and rubber. When he first came in he was asked what he had to sell. "Steam Hose," said he. "What's the price?" was the answer. "I want to show you something about hose first," said the G. T. M. "Oh, I see; you're one of the fellows that have something a little better than anybody else." The G. T. M. admitted that he was, and that the something better was just what Mr. Oliver needed to cut down his steam-hose bills.

He showed him a sample of 4-ply Goodyear Steam Hose—of Monterey construction—*not* wire-wound. Mr. Oliver immediately pointed out that their hose had to be dragged over rough, sharp surfaces and needed wire protection. And then the G. T. M. explained what wire-winding does to steam hose—how the alternate heating and cooling, pressure and deflation involved in using steam hose, expand and contract the body of the hose more than they can expand or contract the wire-winding. In consequence the inner tube of the hose separates from the fabric plies, causing a blister which sooner or later closes up and prevents steam from getting through in the required volume.

Then he told him about the rubber cover of that piece of Goodyear Hose, how it was compounded to resist abrasion, and how it did resist it. Mr. Oliver was interested, said he had never thought that wire-winding was harmful or that a properly compounded cover could do what that Goodyear cover seemed to be able to do. But he said he didn't need any hose just then.

A month later he ordered according to the G. T. M.'s recommendation—ordered by mail. Some time later the G. T. M. saw him. He was perfectly satisfied, introduced the G. T. M. to some of his friends and told them that if they wanted to save money on belts and hose to let him analyze their conditions and prescribe the goods to meet them. And he added: "He told me something about steam hose that I never knew before; after he left I proved it by cutting up an old piece of hose. And the hose he recommended is rendering exceptional service." Of course the Beach City Silica Sand Company continues to order its hose from Goodyear, in accordance with the G. T. M.'s recommendation.

If you have never challenged your steam and water hose bills, ask a G. T. M. to call. He'll do so when next in your vicinity. His services in the matter of hose are free—just as they are for belts. The good will resulting from the economies the G. T. M.'s effect, is always certain to result in a gratifying volume of business within a few years.

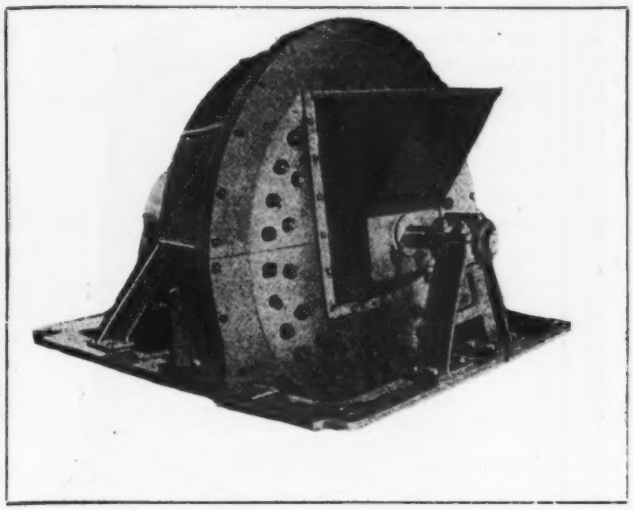
THE GOODYEAR TIRE & RUBBER COMPANY, AKRON, OHIO

BELTING · PACKING · HOSE · VALVES

GOODYEAR

AKRON

THE CARTHAGE CHIP CRUSHER



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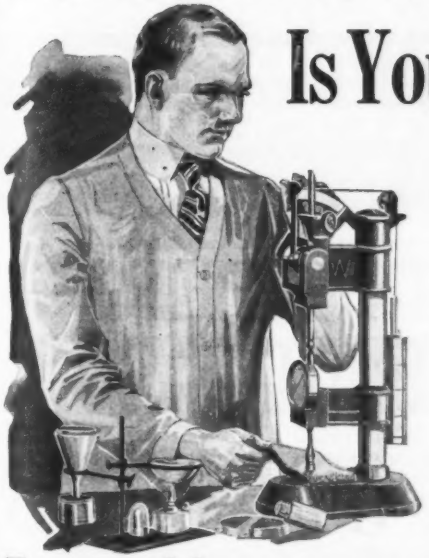

When you ship on contract are you sure your product meets the specifications?

Unless you *know* the product is *right* your reputation is not protected. Your product makes your reputation—or breaks it.

A Great Step Forward

The Widney Modulimeter enables you to test your product at any stage, as well as all materials that have to do with its manufacture.

This is a great step forward. It puts you where you can *know* how you can deliver what was ordered.

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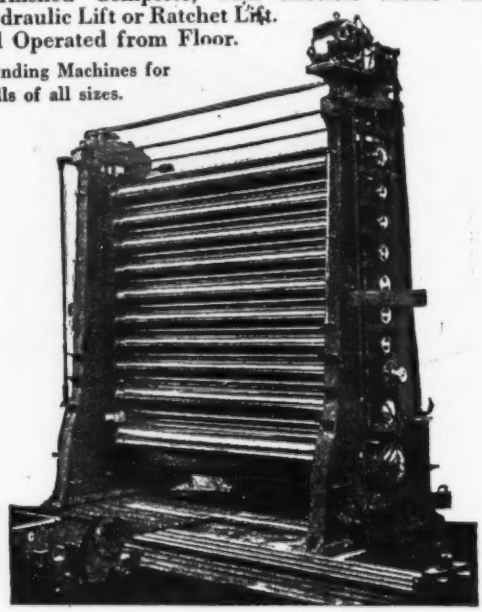
Grinding Machines for Rolls of all sizes.



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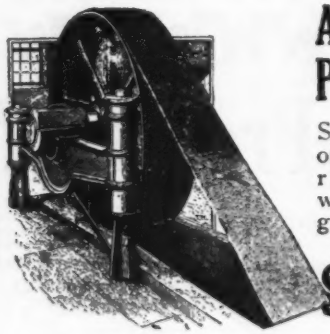

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SparOak Belting

Two kinds of leather enter into a SparOak Belt. The outer ply is oak tanned, cut from the best selected center stock. The ply next the pulley is Graton & Knight Spartan leather, tanned to give pliability and traction power unequalled by any other material.

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Branches and Distributors in All Principal Cities.

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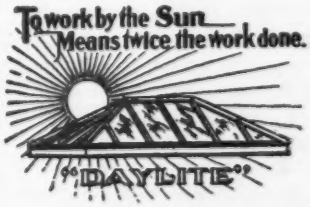
Van Noorden Skylights
are as
Indispensable
To a modern Paper Mill as its important inner equipment. "DAYLITE" means Nature's light without weather or condensation drip.



E. VAN NOORDEN & CO. 103 Magazine St. Boston, Mass.

New York Market Review

OFFICE OF THE PAPER TRADE JOURNAL,
WEDNESDAY, OCTOBER 22, 1919.

In spite of strikes, labor difficulties, and a practical embargo on exportation of paper caused by the longshoremen's strike, the paper market is still strong, and strengthening daily.

News print, in rolls, is still obtainable, in small quantities, but there are practically no sheets on the market. The news print situation seems to be getting more serious each week, as is testified by the steady increase in the price of transient lots.

The printers' strike in New York seems to have had little effect on book and coated papers, for prices are strong, and seem to have increasing instead of decreasing tendencies. Dealers report that trade has been practically as heavy as before the strike, as out-of-town printers are sending in increased requests for supplies.

There is nothing new in the writing paper business this week, but dealers report that business is very active, and prices firm. Coarse and tissue papers are also in strong demand, while prices seem to have become a little more stationary.

Ground Wood

Ground wood is scarce. With news print soaring, mechanical pulp has been in very heavy demand, and has brought very high prices. But now there seems to be an almost complete absence of ground wood from the market. There have been some small lots sold within the last week or two, but not enough to establish a market, or warrant an unbiased quotation of prices. The prevailing price for the few orders sold was $40, but this does not, of course, establish a market or the price.

Chemical Pulp

Chemical pulp, of all grades, is in high demand, but there is an almost normal stability of prices just now. Although the importation of chemical pulp has been hampered somewhat by the longshoremen's strike, there is not much effect evidenced on the market. Trade is very active, and although prices are fairly strong the consensus of opinion ist hat there is no immediate probability of a serious shortage, despite rumors to the contrary.

Rags

After a very temporary stimulus caused by the longshoremen's strike last week, rags have settled back into their semi-dormant condition. Although there is quite a little trade going on in that business it is not the unduly speculative variety, characteristic of a few weeks ago.

Old Rope and Bagging

Like rags, old ropes and baggings are not quite as active as they were a few weeks ago, but trade is reported fairly brisk, and prices strong. There seems to be slight probability of an immediate change in the market, according to dealers, but tendency seems to be upwards.

Paper Stock

Paper stock is steadier this week than it has been for some time. Dealers report that there is a fair supply available, and as a result, there have been slight declines in the prices of a few grades.

Twines

The twine market is as strong as ever this week. Supplies for the manufacture of twines are very scarce, due to the restriction on imported goods, and so a strengthening market is to be anticipated.

BIDS AND SPECIFICATIONS

(*Continued from page 26*)

5,000 pounds (100 reams) of 18½x36—No. 28 white wove ledger paper; Typewriter & Office Supply Company, at $.35 per pound; George W. Millar & Co., at $.36; R. P. Andrews Paper Company, at $.35; Whitaker Paper Company, at $.46; Stone & Andrews, at $.36; Dobler & Mudge, at $.35; Carew Manufacturing Company, at $.35; American Writing Paper Company, at $.33; Strathmore Paper Company, at $.37; and Southworth Company, at $.35.

2,000 pounds (100 reams) of 17x22—No. 20 white declaration bond paper; Southworth Company, at $.32 per pound; Crane & Co., at $.37; and R. P. Andrews Paper Company, at $.33½ and $.334.

Government Printing Office to Open Bids

The Purchasing Officer of the Government Printing Office will open bids on October 24 for the following:

105,500 pounds of yellow, pink and melon bristol board.

60,300 pounds (700 reams) of 38x48—134 and 24x38—67 of double coated book paper.

The Purchasing Officer of the Government Printing Office will open bids on October 24 for the following paper items:

25,000 pounds (500 reams) of 20x25—50 smooth tea letter paper.

7,950 pounds (300 reams) of 18x23 No. 24 white wove writing paper.

12,450 pounds (300 reams) blue and yellow writing paper.

50,000 pounds (325 reams) 38x48—154 half-tone printing paper.

11,200 pounds (100 reams) of No. 1 41x52—112 white machine finish printing paper.

100,000 pounds of No. 13 high machine finish white writing paper in 21" rolls.

The Purchasing Officer of the Government Printing Office will open bids on October 27 for the following:

28,000 pounds (500 reams) of 25x38—56 wood manila paper.

10 000 sheets of 21x32 Quaker drab cloth-lined paper.

10,000 sheets 24x38 brown cloth-lined paper.

2,000 pounds of plate wiping paper in 4" rolls, basis 24x36—60.

690,000 pounds of No. 1 white machine finish printing paper.

40,000 pounds white wove writing paper.

Government Printing Office Awards

The Purchasing Officer of the Government Printing Office has announced the following awards:

The R. P. Andrews Paper Company will furnish 190,000 pounds (5,000 reams) of No. 1 white 24x38—38, machine finish printing paper at $.0885 per pound.

5,000 pounds (5,000 sheets) of 26x38 No. 50 lined strawboard will be furnished by the Alton Boxboard Company, at $.04 per pound.

The Whitaker Paper Company will furnish 16,000 pounds (500 reams) of 22x34 No. 16 yellow wove writing paper at $.145 per pound.

1 850 pounds (25 reams) of 24x32 No. 36 white wove ledger paper will be furnished by the American Writing Paper Company, at $.35 per pound and the R. P. Andrews Paper Company will furnish 2,500 pounds (50 reams) of 20x25—50, yellow smooth wove cover paper at $.112 per pound. Bids for all of these items were opened on October 10.

Panama Canal Bids and Awards

The Purchasing Officer of the Panama Canal will open bids on November 4 for 40 reams (20,000 sheets) of 17x28 No. 21 white bond paper.

Bids will be opened at the same time for 10 reams (5,000 sheets) of 24x36 pad board.

Market Quotations

Paper Company Securities

New York Stock Exchange closing quotations, October 21, 1919:

Stocks.	Bid.	Asked.
American Writing Paper Company, pref.	6	65½
International Paper Company, com.	68½	69
International Paper Company, pref.	95	105
International Paper Company, pref., Stamped	76	77
Union Bag & Paper Corporation	9	13
United Paper Board	13	..
Bonds.		
International Paper Co., Convertible S. F. 5s, 1935	98	..
International Paper Co., 1st and Ref. Conv. 5s, 1947	87	92
Union Bag & Paper Corporation, 1st 5s, 1930	89½	..

Paper

Bonds	11	@	41
Ledgers	13	@	36
Writing—			
Extra Superfine	20	@	21
Superfine	19	@	22
Tub Sized	14	@	—
Engine Sized	12	@	—
News—f. o. b. Mill—			
Rolls, contract	—	@	—
Rolls, transient	6.00	@	6.15
Sheets	—	@	—
Side runs	4.00	@	4.50
Book cased—f. o. b.—N. Y.—			
S. & S. C.	8.50	@	8.75
F. M.	8.25	@	8.50
Coated and Enamel	10.50	@	12.00
Lithograph	11.75	@	12.50
Tissues—f. o. b. N. Y.—			
White, No. 1	1.15	@	1.25
White, No. 2	1.00	@	1.10
Manila, No. 1	1.00	@	1.10
Kraft	1.10	@	1.35
Colored	1.60	@	3.10
Anti-Tarnish	1.20	@	1.40
Kraft—f. o. b. Mill—			
No. 1 Domestic	9.00	@	9.50
No. 2 Domestic	7.75	@	8.25
Imported	—	@	—
Screenings	3.75	@	4.25
Manila—			
No. 1 Jute	11½	@	12
No. 2 Jute	11	@	12
No. 1 Wood	5.75	@	6.25
No. 2 Wood	5.50	@	6.00
Butchers'	5.00	@	—
Fibre Papers—			
No. 1 Fibre	6.00	@	6.25
No. 2 Fibre	4.75	@	—
Card Middles	4.00	@	—
Common Bogus	3.00	@	—
Boards, per ton, f. o. b. N. Y.—			
News	60.00	@	65.00
Straw	52.50	@	55.00
Chip	55.00	@	60.00
Binders' Board	70.00	@	75.00
Manila Lnd Chip	70.00	@	75.00
Wood Pulp	80.00	@	85.00

Mechanical Pulp

(F. O. B. Pulp Mills.)

No. 1 f. o. b. Mill	35.00	@	40.00

Chemical Pulp

(Ex-Dock, New York.)

Sulphite (Foreign)—			
Bleached	6.00	@	6.50
Easy Bleaching	4.75	@	5.00
No. 1 Unbleached	4.25	@	4.75
No. 2 Unbleached	4.00	@	4.50
Kraft (Foreign)	4.25	@	4.50
(Domestic, F. O. B. Mills.)			
Sulphate—			
Bleached	6.50	@	7.00
Sulphite (Domestic)—			
Bleached	5.75	@	6.25
Extra Strong Unbleached	4.25	@	4.50
Easy Bleaching Sulphite	4.50	@	5.00
News Sulphite	3.25	@	3.50
Mitscherlich	5.50	@	6.00
Kraft (Domestic)			
F. O. B. Mill	4.25	@	4.50
Soda Bleached, delivered	4.75	@	5.00

*—Dash means nominal.

Domestic Rags

Prices to Mill f. o. b. N. Y.

Shirt Cuttings—			
New White, No. 1	15	@	15½
New White, No. 2	9¾	@	10
Silesias, No. 1	10¼	@	10½
New Unbleached	13	@	13½
Washables	9¾	@	10
Fancy	10½	@	11
Cottons—according to grades—			
Blue Overall	10¾	@	11¼
New Blue	9¼	@	9¾
New Black Soft	5½	@	6
New Light Seconds	6½	@	7
Khaki cuttings	5½	@	6
Corduroy	5¾	@	6
New Canvas	10½	@	11
New Black Mixed	4¾	@	5
Whites, No. 1—			
Repacked	6½	@	7
Miscellaneous	5½	@	6
Whites, No. 2—			
Repacked	5	@	5¼
Miscellaneous	4¼	@	4½
St. Soiled Whites	3	@	3¼
Thirds and Blues—			
Repacked	4	@	4½
Miscellaneous	3¼	@	3½
Black Stockings	3¼	@	3½
Cloth Strippings	2⅞	@	3
Roofing Stock—			
No. 1	2.85	@	2.95
No. 2	2.70	@	2.80
No. 3	2.15	@	2.20
No. 4	2.45	@	2.55
No. 5A	2.25	@	2.50
B.	2.05	@	2.15
C.	.95	@	1.05

Foreign Rags

New White Cuttings	nominal		
Unbleached Cottons	nominal		
Light Flannelettes	nominal		
New Light Silesias	nominal		
New Light Oxfords	nominal		
New Light Prints	10½	@	—
New Mixed Cuttings		@	5.00
New Dark Cuttings		@	4.75
No. 1 White Linens	nominal		
No. 2 White Linens	nominal		
No. 3 White Lin.	11.00	@	14.00
No. 4 White Lin.	8.00	@	10.00
Old Ex. Light Prints	4.50	@	4.75
Ord. Light Prints	4.25	@	4.50
Med. Light Prints	4.00	@	4.25
Dutch Blue Cottons		@	4.00
Ger. Blue Cottons	nominal		
Ger. Blue Linens	nominal		
Checks and Blues	nominal		
Dark Cottons	2.75	@	2.88
Shoppery	2.20	@	2.40
French Blues	4.50	@	4.75

Bagging

Prices to Mill f. o. b. N. Y.

Gunny No. 1—			
Domestic	3.30	@	3.40
Foreign	3.40	@	3.50
Bright Bagging	3.60	@	3.70
No. 1 Scrap	2.70	@	2.80
Sound Bagging	2.45	@	2.55
Wool Tares, light	3.00	@	3.20
Wool Tares, heavy	3.60	@	3.70
Manila Ropes—			
Foreign	6.25	@	6.50
Domestic	6	@	6¼
New Bur. Cut	4¾	@	5
Hessian Jute Thr'ds	6	@	6½
Mixed Strings	2.10	@	2.20

Twines

India, No. 6 basis—			
Dark	24	@	25
Light	27½	@	26
B. C., 18 Basis	38	@	40
A. B., Italian, 18 basis	60	@	—
Finished Jute—			
Dark, 18 basis	33	@	35
Light, 18 basis	35	@	37
Jute Wrapping, 2-6 ply—			
Extra No. 1	34	@	36
No. 1	31	@	33
No. 2	30	@	31
Tube Rope—			
5-ply and larger (basis)	27	@	—
4-ply	27½	@	—
Fine Tube—			
5-ply and larger (basis)	31	@	—
4-ply	31½	@	—
3-ply	32	@	—
Unfinished India—			
No. 8 (3-ply) and larger	24	@	—
Paper Makers' Twine Balls	21	@	23
Box-Twine, 2-4 ply	23	@	25
Jute Rope	25	@	40
Amer. Hemp, 6.	30	@	31
Sisal Hay—			
No. 1 Basis	20	@	22
No. 2 Basis	18½	@	20
Sisal Lath Yarn—			
No. 1	19¼	@	19¾
No. 2	17½	@	19½
Manila Rope	27	@	29

Old Waste Papers

(f. o. b. New York.)

Shavings—			
Hard White, No. 1	5¼	@	5½
Hard White, No. 2	4¼	@	4½
Soft White, No. 1	4⅛	@	4⅜
Colored, No. 1.	1.40	@	1.50
Flat Stock—			
Stitchless	2.50	@	2.60
Over Issue Mag.	2.10	@	2.25
Solid Flat Book	2.00	@	2.25
Crumpled, No. 1	1.70	@	1.80
Solid Book Ledger	3.00	@	3.25
Ledger Stock	2.50	@	2.75
No. 1 White News	1.45	@	1.60
New B. B. Chips	.90	@	1.05
Manilas—			
New Env. Cut.	2.75	@	3.00
New Cut, No. 1	2.40	@	2.60
Extra No. 1 Old	1.10	@	1.15
No. 1 Old	1.05	@	1.15
No. 2 Old	1.25	@	1.30
Bogus Wrappers	1.25	@	1.35
Old Krafts	3.25	@	3.50
News—			
Strictly Overissue	1.10	@	1.25
Strictly Folded	1.05	@	1.20
No. 1 Mixed Paper	.95	@	1.00
Common Paper	.50	@	.60

CHICAGO

[FROM OUR REGULAR CORRESPONDENT.]

Paper

Mill Price to Jobbers.			
No. 1 Rag Bond.	25	@	35
No. 2 Rag Bond.	18	@	22
Sulphite Bond	10	@	13
Cheap Ledger	16	@	19
Superfine Writing	20	@	22
No. 1 Fine Writing	17	@	18
No. 2 Fine Writing	14	@	15
No. 3 Fine Writing	11½	@	12½
No. 1 M. F. Book	9	@	10
No. 1 S. & S. C. Book	9	@	11
Coated Book	10¾	@	12½
Coated Label	10¾	@	12½
News—Rolls mill	4¾	@	—
News—Sheets mill	5¼	@	—
No. 1 Manila	6	@	6½
No. 1 Fibre	6	@	6½
No. 2 Manila	5½	@	6
Butchers' Manila	5	@	5½
No. 1 Kraft	8½	@	9
No. 2 Kraft	7	@	8
Wood Tag Board	6	@	7
Screenings	4	@	5
Boards, per ton—			
Plain Chip	55.00	@	60.00
Solid News	60.00	@	65.00
Manila Linedhips	70.00	@	75.00
Container Liner	90.00	@	95.00
Solid Wood Pulp	80.00	@	85.00
Straw Board	50.00	@	55.00
Filled Pulp Board	70.00	@	75.00

Old Papers

Shavings—			
No. 1 Hard White	5.25	@	—
No. 1 Soft White	4.50	@	—
No. 2 Soft White	1.50	@	1.75
No. 1 Mixed	1.00	@	1.25
No. 2 Mixed	1.00	@	1.25
Ledgers and Writings	3.00	@	3.25
Solid Books	2.50	@	2.65
Blanks	1.60	@	1.75
No. 2 Books, light	1.50	@	1.75
Ex. No. 1 Manila	2.25	@	2.50
Manila Envelope Cuttings	2.75	@	3.00
No. 1 Manilas	1.40	@	1.50
Folded News (overissue)	1.30	@	1.50
Old Newspapers	1.10	@	1.20
Mixed Papers	1.05	@	1.10
Straw Clippings	1.00	@	1.10
Binders Clippings	1.00	@	1.10
Kraft	2.75	@	3.00
New Kraft Cuts	3.00	@	3.25
Roofing Stock, f. o. b. Chicago, Net Cash—			
No. 1	60.00	@	—
2	58.00	@	—
3	56.00	@	—
4	56.00	@	—

BOSTON

[FROM OUR REGULAR CORRESPONDENT.]

Paper

Bonds	.13	@	—
Ledgers	.18	@	—
Writings—			
Superfine	.20	@	—
Fine	.17	@	—
Books, S. & S. C.	.12½	@	—
Book, M. F.	.11	@	—
Book, Coated	.13	@	—
Label	.13	@	—
News, Sheets	7	@	—
News, Rolls	6	@	—
Manilas—			
No. 1 Manila.	6⅜	@	6¼
No. 1 Fibre	6½	@	6
No. 1 Jute	.12	@	.12½
Kraft Wrappings	8¾	@	9¼
Common Bogus	3	@	3¼

These prices are F. O. B. Mill.

Chip Board (ton)	57.50	@	65.00
Straw Board (ton)	55.00	@	65.00
News Board (ton)	65.00	@	70.00
Wood Pulp Board	75.00	@	87.50

Old Papers

Shavings—			
No. 1 Hard White	5	@	—
No. 1 Soft White	4	@	4½
No. 1 Mixed	1½	@	2
Ledger and Writings	2.50	@	2.75
Solid Book	2¼	@	2½
Blanks	1.15	@	1.25
No. 2 Books, light	1.50	@	2.00
Ex. No. 1 Manila	2	@	2¼
No. 1 Manila	1.50	@	1.75
Folded News (overissues)	.85	@	.90
Old Newspapers	.80	@	.90
Mixed Paper	—	@	.75
Gunny Bagging	3.25	@	—
Manila Rope	.06	@	.06½

(*Continued on page* 50)

New York Trade Jottings

L. B. Steward, secretary of the American Paper and Pulp Association, 18 E. 41st street, left last Monday on a business trip. He will be back at his office the last of the week.

* * *

Norris S. Oliver, formerly of the Canfield Paper Company, has severed his connections with that concern and is now with Richard G. Benedict, paper manufacturers' agent, 299 Broadway.

* * *

The Continental Paper Bag Bowling Team has inaugurated its 1919–20 season, and would like to arrange matches with two, three or five men teams in the paper trade. Please address Jose Gsutier, 800 Whitehall building, New York.

* * *

The Judd Paper Company of Holyoke, Mass., announces that F. Clyde Doane, formerly with the Canfield Paper Company, has joined their sales force and will represent them in New York City. Mr. Doane has been selling for the Canfield Company for the past five years and has many friends among the printers, publishers and stationers of New York and New Jersey. The Judd Paper Company's representatives are located at 150 Nassau street.

R. T. Vanderbilt Company Opens China Clay Mine

The largest china clay mine in the United States was opened up recently, when the R. T. Vanderbilt Company, Inc., 50 W. 42nd Street, New York, started production in its Virginia mine.

The output of the mine is one hundred tons per day, which exceeds the output of any other one mine in America. The clay produced is of the highest quality, it is stated, and so the business opened is to compete with the English china clays. This Virginia, or "Blue Ridge" clay can be used either for coating, or for filling purposes.

Heretofore American china clay production has been restricted to the coarser grades, while England has had a practical monopoly on the fine, or coating clays. This concern has been aided by the practical embargo on foreign clays, caused by the longshoremen's strike, for the paper makers have been compelled to resort to whatever clays they could get. And the result is a unanimous approbation of the product of the new Virginia mine.

As the mine is a little more accessible to a majority of the paper mills in the country, better freight rates can be obtained, as well as an assurance of delivery. The chief difficulty now, according to R. T. Vanderbilt, is in getting cars enough to carry the large output of the mine.

Thus far, shipments have been heavy, and the demand for the new fine grade of clay is very good.

National Pulp Corporation to Build

WESTFIELD, MASS., October 20, 1919.—Comment has been so widespread regarding the future of the National Pulp Corporation that a statement of the intentions of the company seems to be of great moment to the business men of Westfield and particularly to the numerous investors in this town. Information received at the office of the board of trade is to the effect that the concern intended to faithfully carry out every detail of their contract. An underpass above the Boston and Albany Railroad station was constructed some months past and the work suddenly ceased. The attention of the board of trade was called to the matter and a letter was forwarded to the offices of the corporation in New York.

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FOREIGN AND DOMESTIC

PAPER MAKERS' SUPPLIES
COTTON, JUTE and FLAX WASTES
COTTON BAGGING MATERIALS
EAST INDIA MERCHANDISE

Miscellaneous Markets

Office of the PAPER TRADE JOURNAL,
WEDNESDAY, OCTOBER 21, 1919.

Paper makers' chemicals and supplies are still strong and active. No radical change has occurred in the markets this week. The unsettled labor conditions render the market rather unsteady, but the tendency seems to be bullish.

ALUM.—Alum is reported strong and active this week. Dealers report that there is a slight strengthening over last week, but as yet no change in price has been listed. Quotations are the same as last week, the powdered grade selling at 4.25@4.50, and the lump at 4@4.25.

BLANC FIXE.—Blanc fixe is in strong demand, and shipments have been heavy. Trade is reported brisk, with prices on the up-grade. Blanc fixe is bringing $40@50 the ton in pulp form, and 4.25@4.50 the pound for the powdered grade.

BLEACHING POWDER.—There is no change in the bleach market this week. Trade is as heavy as usual, and the prices seem fairly stationary. Bleach is selling at 2.25@2.50 the pound.

BRIMSTONE.—Demand for brimstone this week is as heavy as usual. Brimstone is practically stationary, but the price is strong, and trade is active. Quotations are $18 for domestic use, and $20 for export.

CASEIN.—Casein is stronger than ever this week. Trade is reported unusually active, and most sales are going at top prices. Casein is quoted at 16@17 for the better grades of stock, and 14@15 for the poorer, unselected casein.

CAUSTIC SODA.—No change has been evidenced in the caustic soda market this week. Trade is reported strong and active, and shipments heavy. Quotations this week are the same as last, 2.75 for the 60 per cent basis, and 3.25 for the 76 per cent.

CHINA CLAY.—A strong demand, stimulated by the curtailment of imported clays has kept the china clay market at top speed this week. Practically no foreign clays are being imported, due to the longshoremen's strike, and so the domestic dealers and manufacturers have all they can do to supply the demand. Prices are the same as last week, crude domestic bringing 7.50@9.50, and washed at the mine, 11@12.

ROSIN.—As there is no demand for rosin for export, it is still selling at last week's low prices. Paper makers' grades are quoted at the following prices: E, 17.00; F, 17.10, and G, 17.15.

SODA ASH.—Dealers report that trade is brisk, and shipments normal in the soda ash market this week. The same prices that were quoted last week apply, 1.90 in bags, and 2.00 in barrels.

STARCH.—Starch, like most of the other paper makers' supplies, seems to be a little steadier this week. Prices quoted by manufacturers, freight prepaid to New York, in carload lots, per 100 pounds, are: Pearl starch, in bags, $5.87; in barrels, $6.09. Powdered starch, in bags, $6.02; in barrels, $6.24. Finishing starch, in bags, $6.87. Crystal T. B. starch, No. 90, fluidity (hand packed), in bags, $6.97; in barrels, $7.33. Crystal T. B. starch, No. 90, fluidity (machine packed), in bags, $6.92; in barrels, $7.18.

SULPHATE OF ALUMINA.—Sulphate of alumina is keeping pace with most of the other markets this week, and is reported strong, with strengthening prices. This week's quotations are the same as last: 1.70@1.90 for the commercial grade, and 2.65@2.85 for the iron free grade.

To Present Views of Forestry Profession

[FROM OUR REGULAR CORRESPONDENT.]

SYRACUSE, N. Y., October 20, 1919.—Dr. Hugh P. Baker, dean of the New York State College of Forestry at Syracuse, has been chosen to present the views of the forestry profession in New York State at the conference on the forest policy of America to be held at Syracuse November 11 under the auspices of the New York State Forestry Association. Col. H. S. Graves, chief of the United States Forest Service, will come to the State at that time to discuss the policy with all elements interested in the future of the nation's forests.

Dr. Baker will lead the discussion in behalf of the forestry profession, and his statement of the position of the New York members of the profession will be submitted to leaders in the State, before being presented to the conference, so that it may represent the united viewpoint of the New York State foresters upon the essential phases of the proposed forest policy of the nation.

The plans for the conference are rapidly approaching completion. Only a few addresses of a formal nature will be given. There will be one morning and one afternoon session and a dinner in the evening. George N. Ostrander, president of the Empire State Forest Products Association, and George D. Pratt, Conservation Commissioner of New York, will preside at two sessions and represent their respective organizations in the discussions. Herbert S. Carpenter, president of the State Forestry Association, will preside over the opening session.

It is already assured that there will be a large attendance of the lumber manufacturers and retailers, as well as of the American Paper and Pulp Association, whose members will stop at Syracuse on their way to their own convention in New York later in the week. Dr. Baker will also appear on the program of the paper manufacturers' convention in New York immediately following the Syracuse conference.

Market Quotations

(*Continued from page* 47)

PHILADELPHIA

[FROM OUR REGULAR CORRESPONDENT.]

Paper

Bonds	12½	@	55
Ledgers	13	@	38
Writings —			
Superfine	15	@	35
Extra fine	35½	@	—
Fine	17	@	25
Fine, No. 2	23	@	—
Fine, No. 3	14	@	—
Book, M. F.	10	@	12
Book, S. S. & C.	10	@	12
Book, Coated	12	@	17
Coated Lithograph	12½	@	17
Label	12¼	@	14¼
News	6½	@	—
No. 1 Jute Manila	15	@	—
Mani'a Sul., No. 1	7½	@	—
Manila No. 2	5	@	5½
Common Bogus.	4½	@	—
Straw Board	60.00	@	65.00
News Board	60.00	@	65.00
Chip Board	60.00	@	—
Wood Pulp Board	80.00	@	100.00
(Carload Lots.)			
Binder Boards—			
Per ton	60.00	@	—
Carload lots	55.00	@	—
Tarred Felts—			
Regular	73	@	80
Slaters'	78	@	85
Best Tarred, 1-ply (per ton)	71.00	@	75.00
Best Tarred, 2-ply (per roll)	1.40	@	1.80
Best Tarred, 3-ply	1.70	@	—

Roofing Rags

No. 1	2.25	@	2.50
No. 2 Hard White	2.20	@	2.25
No. 4	2.00	@	2.10

Bagging

Gunny No. 1—			
Foreign	3.00	@	—
Domestic	2.75	@	3.00
Scrap Burlaps	2.75	@	3.00
Wool Tares, heavy	5.20	@	5.50
Mixed Strings	2.25	@	2.50
Manila Shaving No. 2	1.50	@	1.60
Manila Sul., No. 1	4.00	@	—
No. 1 New Lt. Burlap	10.00	@	12.00
New Burlap Cuttings	3.25	@	3.50

Old Papers

Shavings—			
No. 1 Hard White	5.50	@	5.75
No. 2 Hard White	4.25	@	4.50
No. 1 Soft White	4.25	@	4.50
No. 2 Soft White	1.75	@	1.80
No. 1 Mixed	1.50	@	1.75
No. 2 Mixed	1.25	@	1.50
Solid Ledger Stock	2.75	@	3.00
Writing Paper	2.50	@	2.75
No. 1 Books, heavy	2.00	@	2.25
No. 2 Books, light	1.50	@	1.75
No. 1 New Manila	2.75	@	3.00
No. 1 Old Manila	1.30	@	1.40
Old Kraft	2.50	@	2.75
Overissue News	1.00	@	1.10
Old Newspaper	80	@	90
No. 1 Mixed Paper	80	@	95
Common Paper	60	@	70
Straw Board Chip	75	@	80
Binders' Bd. Chip	75	@	80

Rags

Old White —			
No. 1	6.50	@	7.00
No. 2	4.75	@	5.00
Blues—			
Thirds and Blues	3.75	@	4.00
Black Cotton Stockings	3.25	@	3.50
Mixed ganzies	3.00	@	3.50
Lace Curtains	6.00	@	6.50
Colored Wiping Rags	6.50	@	7.00
Cotton Quilts	2.50	@	2.75
White Cotton Batting	4.75	@	5.00

The Mathieson Alkali Works, Inc.

WORKS AT

SALTVILLE, VIRGINIA and at
NIAGARA FALLS, NEW YORK

"Eagle-Thistle" Brand

BLEACHING POWDER

HIGH TEST

Packed in Steel Drums, air tight, insuring full strength at point of consumption

LIQUID CHLORINE

Pure, anhydrous, in improved and convenient packages.

Soda Ash

48 per cent. and 58 per cent.

Caustic Soda

60 per cent., 70 per cent., 72 per cent., 74 per cent., 76 per cent; also 78 per cent. Our 78 per cent. Caustic Soda is an article of greater purity than has ever before been produced in a commercial way, analyzing 99.70 Hydrate of Soda

Bicarbonate of Soda

Packed in Kegs, Barrels or Bags; also Cases

Arnold Hoffman & Company, Inc.

SOLE AGENTS

PROVIDENCE: 55 Canal Street NEW YORK: 61 Broadway BOSTON: 88 Broad Street
PHILADELPHIA: Delaware Ave. and Green St. CHARLOTTE, N. C.

WANT AND FOR SALE ADVERTISEMENTS

HELP WANTED

WANTED — Cylinder machine tender for machine making specialties: none but A-No. 1 men need apply. Good wages paid; mill located in good town near large city. References are required. Address, Box 1670, care Paper Trade Journal. O-23

WANTED—A First-class Millwright for small mill. Must be a good workman and understand repairs. References required. Address, Box 1671, care Paper Trade Journal. O-23

BEATERMAN WANTED for mill making specialties. Must understand coloring sa well as treating different kinds of stock. Must furnish references. Address, Box 1672, care Paper Trade Journal. O-23

WANTED—Finisher for board mill. One who can count and handle trimmer. Address, Box 1673, care Paper Trade Journal. O-23

WANTED—Boss Finisher for Tissue Mill. Must be man who can get out work. Good wages paid to right man. Must give references and state experience. Address, Box 1674, care Paper Trade Journal. O-23

WANTED—Back Tender for mill making water finished boards. State experience and wages expected. Address, Box 1675, care Paper Trade Journal. O-23

WANTED—First-class machine tender on light weight papers. Experienced with Edwards' Attachment preferred. Permanent position and good home for right man. Address, Box 1676, care Paper Trade Journal. O-30

WANTED—A first-class machine tender in a paper board mill. Please state full particulars, wages expected, etc. Address, Box 1677, care Paper Trade Journal. O-30

WANTED—A tour boss who can secure results in a paper board mill. Send references, giving full particulars as to experience, etc. Address, Box 1678, care Paper Trade Journal. O-30

WANTED—An experienced back tender for a paper board mill. Please furnish full information as to experience, wages, etc. Address, Box 1679, care Paper Trade Journal. O-30

WANTED—Night boss for mill making high grade book paper. Two tours. Good position for right man. Address, Box 1680, care Paper Trade Journal. O-23

WANTED — Young Chemical Engineer by large Pulp and Paper Co. Salary, $125 to start. Address, Box 1681, care Paper Trade Journal. O-30

AN EXCEPTIONAL OPPORTUNITY is offered high-grade, energetic salesman familiar with wood-pulp and mill supplies, to connect with one of the oldest houses in the trade. Salary readily adjusted provided applicant possesses qualifications desired. Replies treated confidentially. Address, Box 1682, care Paper Trade Journal. O-23

WANTED—Machine tender on light weight straw board. Wages, $4.25 per day of eight hours. None but steady men need apply. The Coshocton Straw Paper Co., Coshocton, Ohio. O-30

WANTED—Machine tender for 64" Fourdrinier making Kraft. 62½ cents per hour. Wire applications. Yellow Pine Paper Mill Co., Orange, Texas. N-13

WANTED—Good, sober, steady man to run and take charge of a three-ply fibre container machine. Address, Clifton Paper Mill, Passaic, New Jersey. O-30

WANTED—Assistant Superintendent. Must have filled that position in mill making good grade of book paper. Good location. Give experience, references, etc. Address, Box 1689, care Paper Trade Journal.

WANTED—Superintendent for mill making good grade of book paper. Must be thoroughly familiar with Super Calendering. Good opening for the right man. State age, experience and salary desired. Give references. Address, Box 1690, care Paper Trade Journal.

HELP WANTED

WANTED — Machine Tender for cylinder machine making manilla tag, cover and special boards. Good job, location and wages; running eight-hour shifts. Address, Box 1691, care Paper Trade Journal. O-23

WANTED—First-class Millwright capable of handling force of men; prepared roofing plant. Excellent opportunity for right man. Address, Box 1639, care Paper Trade Journal. O-23

EXPERIENCED WOOD PULP SALESMAN wanted by company with extensive line of domestic and imported pulps. Apply in confidence to Box 1640, care Paper Trade Journal. O-23

WANTED—Three Sulphite Cooks (experienced) for Candian Mill. Apply, Box 1641, care Paper Trade Journal. O-30

SALESMAN WANTED for side line. Roll Paper Cutters. Direct from manufacturer to wholesale trade only, soliciting wholesale paper, stationers and allied lines in New York, New England and Pennsylvania territory. A splendid opportunity for the right man. Address, Box 1643, care Paper Trade Journal. O-16

WANTED—Young man to assist paper buyer. Must have working knowledge different grades of paper, also be able to do stenographic work. Good opportunity and good salary. Address, Box 1644, care Paper Trade Journal. O-23

WANTED—Two Back Tenders on straw corrugating. State age and experience. Address, The Thompson and Norris Co., Brookville, Indiana. O-23

CRAFTSMAN WANTED at once for position in Canada; a thoroughly experienced man, familiar with the design of Fourdrinier and Cylinder machines. Must be A-No. 1, capable of acting as squad boss and producing results. Also first-class man for development work on Paper Machine design, must have had previous good experience. Apply in writing, giving full details, experience and salary expected, to Mechanical Engineer, Dominion Bridge Company, Limited, Montreal, Canada. O-23

WANTED—Two Back Tenders, fast running Fourdrinier machines making Kraft wire. Application strictly confidential. Yellow Pine Paper Company, Orange, Texas. N-6

WANTED—A first-class millwright to take charge of repair work in a Sulphite Mill. One who is steady, reliable and industrious. Must be able to handle help and get results. Good wages to the right man. Northern Michigan Pulp Co., Petoskey, Michigan. N-6

WANTED—A good back tender on water-finished fibre. Two tour mill. Speed 350 to 400 feet. Address, Box 1391, Paper Trade Journal. tf

WANTED—Experienced Mill Manager, one familiar with Fourdrinier and Cylinder specialties, also with ability to handle general sales. Address, Box 1577, care Paper Trade Journal. tf

A YOUNG, AGGRESSIVE and responsible sales agency seeks permanent mill connections, particularly with manufacturers of Kraft and Book. Address, Box 1482, care Paper Trade Journal. tf

SUPERINTENDENT — With twenty years' experience on News and Hanging, open for position. Capable and efficient. Best of references. Prefer Mill with ground wood attached. Address, Box 1564, care Paper Trade Journal. N-27

SITUATIONS WANTED

MECHANICAL ENGINEER, 39, expert in paper machinery construction and with large experience in the manufacture of Asbestos products, paper and mill board, desires to change his present responsible position with a construction concern and connect for position of manager or superintednent in the above indicated branches. Address, Box 1683, care Paper Trade Journal. N-6

SITUATIONS WANTED

WANTED—A position as Manager. Is your coating plant yielding the results that you have a right to expect from it? Are you producing costs down to their absolute minimum with a maximum of production? If not, why not cut down, save waste and eliminate unnecessary labor? My twenty-four years' experience in the manufacturing of all grades of coated paper, coupled with a sound business training, have equipped me to put my finger on the weak spots, stop the leaks and build up your coating plant to this maximum efficiency. I know my business thoroughly and am qualified to build, equip and develop any new coating plant or reorganize any existing plant and put it on a paying basis. As manager of your Coating Department, I will be a distinct asset to your organization. I am at present employed, but have the best of reasons for desiring to make a change. A personal interview will enable me to submit further details. Address, Box 1625, care Paper Trade Journal.

A YOUNG, AGGRESSIVE and responsible sales agency, located in the heart of northern New York's paper industry, would like to act as local representatives for manufacturers of pulp and paper makers supplies and raw products. Address, Box 1684, care Paper Trade Journal. O-30

FIRST-CLASS MILLWRIGHT wishes position. Experienced on all work on cylinder and Fourdrinier Machines. Good references as to mechanical ability furnished. Address, Box 1685, care Paper Trade Journal. O-30

PAPER BAG MANUFACTURERS—Superintendent and mechanical engineer is open for engagement. Grocery, self-opening bags, sacks, envelopes, specialties and printing. Taking charge or building of new plants. Designing of machines and labor-saving devices. Age 40, married, up-to-date, energetic, resourceful and good organizer. Address, Box 1686, care Paper Trade Journal. O-30

LIVE LINES wanted for live salesman on commission contract only. Manufacturers' lines wanted for the Central and Northwestern States. We can give you an extensive and instant distribution in this territory. Have had twelve years' experience and large following in retail and wholesale trade. Address, Box 1687, care Paper Trade Journal. O-23; N-6; N-20; D-4

SUPERINTENDENT desires to make a change. Up-to-date on Cylinder, Fourdrinier and Yankee paper machines. Experience on dry and water finish. Kraft and Tissues for waxing. Address, Box 1688, care Paper Trade Journal. N-13

POSITION WANTED—Situations wanted in conection with Paper Mill. Selling end preferred; willing to travel. Previous experience in mill office and later as representative of same mill, aggregating four years previous to war. Changes incident to war make such position advisable. Will consider an additional mill agency in Boston. If interested write to "E L L C O," care Paper Trade Journal.

POSITION WANTED as Superintendent of mill making binders, leather or other boards; middle-aged man; good at erection and repairs. Address, Box 1633, care Paper Trade Journal. O-23

SUPERINTENDENT wants position in mill making chip boards or wrappers. Experienced at construction and remodelling. Middle-aged. Eastern States preferred. Address, Box 1634, care Paper Trade Journal. O-23

POSITION WANTED as Superintendent. Day or night. Well up on all grades of stock and papers, bonds, ledgers, writings, envelope, parchment, French folio, manifold, music, drawing and Kraft. Water and dry wrappings, hanging, news, covers, onion skins, waxing, boards, book and map. Good on colors. Expert on Sulphite Bond. Address, Box 1648, care Paper Trade Journal. O-30

TWO MEN, now connected with paper house in Middle Western city, desire positions with New York paper house, in coarse paper line in managerial, buying and salesmen's capacity. Have had ten and eight years' experience. Would prefer making investment in the business. Address, Box 1647, care Paper Trade Journal. O-23

SITUATIONS WANTED

WANTED—Position as Boss Beaterman, having considerable experience on Book, Envelope and all Sulphite Bonds and Ledgers. Also Kraft and Bag papers. Good Colorman. References as to capabilities and character. Address, Box 1649, care Paper Trade Journal O-30

WANTED—To represent a manufacturer or mill agent, having a complete line of grocery bags. Territory, Savannah, Ga., Charleston, S. C. Address, Box 1651, care Paper Trade Journal. O-30

YOUNG MAN, 21, desires position as traveling salesman to South America. Has been connected three years with paper exporters, dealing in paper and boards. Possesses travelling experience. Address, Box 1636, care Paper Trade Journal. O-23

YOUNG MAN desires position. High school graduate. Five years' experience in Paper Mill Office. Presently employed. Willing to travel. Address, Box 1660, care Paper Trade Journal. O-23

AS SUPERINTENDENT have had twenty years' experience on Book, Writing, Bond, Catalog and Specialties, from old paper stock; can give the best of references as to ability of handling help and character. Address, Box 1662, care Paper Trade Journal. O-23

SUPERINTENDENT with thirty years' experience on news, hanging, Kraft and Bag papers; also ground wood and sulphite, open for engagement. Can produce results and handle help. Willing to go anywhere. Address, Box 1663, care Paper Trade Journal. O-30

GROUND WOOD MAN desires position as Superintendent or Foreman. 12 years' experience. At present employed. Married. Address, Box 1626, care Paper Trade Journal. O-23

SUPERINTENDENT—51 years of age; 18 years' experience as Superintendent making Wrappings, Kraft, News, Chips and Test Boards. Will go anywhere. Married. Address, Box 1457, care Paper Trade Journal. N-6

FOR SALE

FOR SALE—Super Calender, five-roll stack, 45" face. Two Daniel's Rag Cutters, No. 2. Address Mars Paper Corp., Westfield, Mass. O-23

FOR SALE

BOARD MACHINE—Six cylinder 36" x 80", 5 baby presses, three presses, 61 dryers, two stacks calenders, duplex cutter and Marshall drive.
PAPER MACHINE—1 72" Fourdrinier, two presses, 15 dryers, 36" x 69", Marshall drive.
BOARD MACHINE—Five cylinders, 30" x 72", three presses, 23 dryers, 36" x 66", calenders, cutter and Marshall drive.
PULP DRYING MACHINE—Two molds, 30" x 77", three presses, 37 dryers, 48" x 68", Marshall drive.
MACHINE CALENDERS—1 84" nine roll, 1 82" nine roll, 1 72" nine roll, 1 68" five roll, 1 48" five roll, 1 37" five roll.
SUPER CALENDERS—1 62" Norwood, 1 60" Norwood cotton rolls, 1 53" Holyoke, 1 45" Norwood, 1 43" Holyoke.
SLITTERS AND WINDERS—1 127" Kidder, 1 108" Kidder, 1 102" Langston, 1 60" Kidder, 1 38" Kidder.
PAPER SHEET CUTTERS—1 112" Finlay, 1 108" Horne, 1 104" B & C, 1 84" Beloit duplex, 1 62" Horne, 1 53" Finlay, 1 48" Finlay, 1 42" Finlay.
REAM CUTTERS—1 50" Dayton Seybold, 1 48" Acme, 1 46" Sheridan, 1 36" Sheridan.
BEATERS—2 52" x 52" Hornes, 1 53" x 52" Emerson, 1 48" x 48" Horne, 1 48" x 48" Downingtown, 1 48" x 66" Umperston, 1 No. 1 Claflin.
JORDANS—1 Jones Wagg Majestic with base, 1 Emerson "Special," 1 Noble & Wood with base, 1 Emerson with base, 2 Smith & Winchesters without base.
PUMPS—1 Deane triplex power water pump 10" x 10", 2 Deane triplex stuff pumps, 8" x 8", 2 Pusey & Jones double stuff pumps 6" x 10", 1 10" Worthington centrifugal, 3 4" centrifugals, 3 3" centrifugals.
SCREENS—2 ten plate packers.
WET MACHINE—2 84" Sandy Hill Iron & Brass, 1 72" Bagley & Sewall hydraulic.
BOARD CALENDER—1 Horne two rolls, 48" x 48".

FRANK H. DAVIS
175 Richdale Ave., Cambridge, Mass.

FOR SALE

FOR SALE—Two sulphite beaters 12 x 40 feet, and one Vesuvius 1800-pound sulphur burner, all new. Address, Peshtigo Pulp and Paper Co., Green Bay, Wisconsin. N-6

PATENT FOR SALE—Mechanical device for placing woods between iron bars of beater rolls. Big labor saver, and reducer of repair expense. No labor with sledge hammers, no woods split, woods will not come out during grinding life of bars. For further particulars, address C. F. S., Box 1669, care Paper Trade Journal. O-30

FOR SALE—Two absolutely new 17" x 22" Ohio Cultivator Bailing presses equipped with friction clutches. Piermont Paper Company, Piermont, N. Y. tf

FOR SALE

Two (2) No. 1 Claflin Engines—located Green Bay, Wisconsin.

One (1) No. 1 Claflin Engine—located New Hope, Pennsylvania.

All in first-class condition.

THE SHARTLE BROTHERS MACHINE CO.,
MIDDLETOWN, OHIO. 4t

MISCELLANEOUS

WAXED PAPER—The only proper paper to wrap up food or sweetmeats in, or articles of polished metal, etc., totaly without smell or tasteproof against water or grease—no chloride, acid or rust—can be supplied in any quantity or thickness, in rolls or sheets, or in rols specialy adapted to mechanical wrappers. Emil Schwander and Company, Chemnitz-Furth, Saxony, Manufactory of waterproof paper and materials. Founded 1869. N-13

WANTED—To buy a second-hand Norwood plater. Must be wide jaw for linen cloth finish plating. Address, with particulars and price, Box 1655, care Paper Trade Journal. O-23

WANTED—Second-hand paper trimming machine. Must be in first-class condition. Anything over 36" satisfactory. Address, with particulars, Box 1654, care Paper Trade Journal. O-23

WANTED—To rent, with option of buying, one complete paper mill with Cylinder machine for making sheathing, wraps, chipboard and saturating felt. State full details. Address, Box 1656, care Paper Trade Journal. O-23

WANTED—Wet machine for binders board, 72" or larger. Must be in good condition. Give particulars, best price, etc. Box 1657, care Paper Trade Journal. O-30

WANTED—Any information as to the whereabouts of John Spellman, machine tender, will be greatly appreciated. Last heard of in Ontario, Canada.

CYLINDER MOLDS, tanks and head boxes, plain dandy rolls, Brass wire cloth. Fine seams for tissue paper a specialty. We put them on tight. Address Clark Mfg. Co., 79 Merrick avenue, Holyoke, Mass.

WANTED AT ONCE

Engineers experienced in Paper Mill Construction. Men capable of laying out board mill complete. Practical experience necessary. Give full details as to past experience and salary expected.

Address,

EMPLOYMENT DEPARTMENT,
THE BEAVER BOARD COMPANIES,
BUFFALO, N. Y. O-23

MISCELLANEOUS

PAPER MACHINERY FOR SALE.
6 White Oscillating Screens, with new oscillating device.
8 Plates 10 x 24", cut .0014.
4 Plates 10 x 24", cut .0018.
1 New York Safety Steam Engine, Upright, 125 H. P. Cylinder 16¾" Bore, 18" Stroke. Flywheel 98" Diam., 18" Face.
3 Holyoke Machine Company Platers, 36" Rolls.
1 Fan (Blower) made by B. F. Sturtevant Co. of Boston, Mass., Diam., 72" x 40" wide; 37/16" Bearings 12" long; casing outside dimensions, 42" 8' 6" x 7' 2".
All in good condition. Prices low.
Address—
Parsons Paper Company,
Holyoke, Mass.

Architects and Engineers

CAREY, JAMES L., Paper Mill Architect and Engineer, 208 North Laramie avenue, Chicago, Ill.

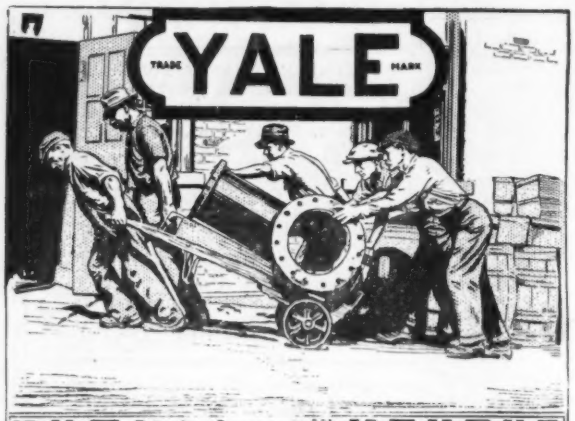
CHAPMAN, C. A., Inc., Paper Mill Architects and Engineers, 28 Jackson Boulevard E., Chicago, Ill.

SNOW, S. M., Mill Architect, Engineer, Paper and Pulp Mills. Steam and Water Power plants. 55 Kilby street, Boston Mass.

FOR SALE

BEATERS—One 61" x 48", five Jones, one Downingtown, two Horne, one 60" x 60", several 72" x 44", two Claflin Refining Engines.
BED PLATES—Circled to diameter of roll.
CALENDERS—One 7 roll stack 72" face, two 9 roll stacks 72" face, one 9 roll 63" face, one 9 roll 84" face.
COATERS—Two 56" Waldron coaters.
CUTTERS—Two 45" Finlay cutters newly rebuilt with brand new Hamblet expansion pulley drive, 36" Sanborn cutter, 38" guillotine cutter.
CYLINDER MOULDS—One 30" x 54", one 30" x 64", both rebuilt, ready for quick shipment. One new 30" x 92".
DRIVES—One Reeves No. 4, Class E, one Reeves No. 9, Class E, one Moore & White No. 10.
DRYERS—4 36" x 54", 8 36" x 62", 7 48" x 108", 2 36" x 66", 1 36" x 76", 1 24" x 120", also twenty brand new shells 48" x 96", and ten new shells 48" x 102".
EVENERS—Two Mellor eveners.
JORDANS—1 Mammoth Jr., several Emerson and Horne type Jordans.
MACHINES—One 2 cylinder machine for 56" trim, 23" dryers. One 72" Harper fourdrinier.
PULLEYS—One 97" dia. 34" face, double arm, modern pulley. One set cone pulleys, 40" x 31" x 83" face. One set cone pulleys, 40" x 31" x 78" face. Also large stock of iron pulleys, including some cone pulleys for Marshall drives. New wood pulleys with friction clutches.
PUMPS—One dry suction pump, single vacuum, 12 x 22 x 18 Knowles, one 1,000 gallon Blake tank pump, several 7" and 8" Lawrence Machine Company, Class A, high duty pumps; fan pumps, new stock pumps, single and double.
PRESS ROLLS—Large number of different sizes on hand. Some suitable for rubber covering.
ROTARIES—One 14' Globe, one 84" x 22' horizontal in good condition, ready for immediate shipment.
REELS—Two Bagley & Sewall, one two bowl upright, one ten bowl revolving, bowls 48" face. Also several new reels now under construction. State the width you require.
RAG CUTTERS—One Daniels No. 2, 12½" knife; one Rice, Barton & Fales with 12" knife, newly overhauled and ready for quick shipment.
SCREENS—Two 6 plate Success, newly overhauled, 6 Ruth centrifugal, 6 Voith centrifugal.
WET MACHINES—One 74", one 72" and one 84".
WINDERS—One 72" single drum, one Manning 74". Our stock is constantly changing. Advise us of your wants.

MILLS MACHINE COMPANY
LAWRENCE, MASS.



Which—

A gang of straining, hauling men, or one man working easily, quickly and safely?

HOOK a Yale Spur-Geared Chain Block on a Brown Hoist Trolley, suspended from an I-beam—and realize in your own plant how the lifting, moving and hauling of loads can be speeded up, made easy and safe for the operator and the load.

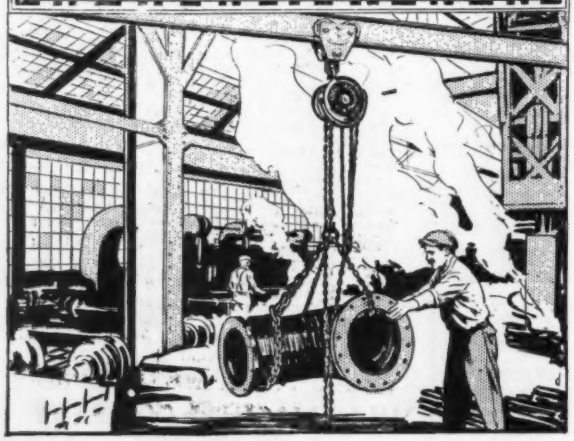
—and then watch *production* increase.

'From-Hook-to-Hook-a-Line-of-Steel'

Ask your Machinery Supply House or write for catalog on Yale Chain Blocks and Electric Hoists.

For a Factory Locking Equipment use a Yale Master-key System.

The Yale & Towne Mfg. Co.
9 East 40th Street New York City



Paper Mill For Sale
at Whitehall, Maryland

26 miles from Baltimore; plenty of spring water. 68 inch three cylinder machine; 2-1200 lb. beating—1 refining engine. Chip Board and Bogus wrapping, 20,000 lbs., 24 hours. One-half block Penn. Railway. Entire buildings, machinery and dam in A-No. 1 condition. Can be purchased **Now at a Bargain.**

GIBBS-BROWER COMPANY
Paper and Pulp Mill Brokers
269 Broadway New York City
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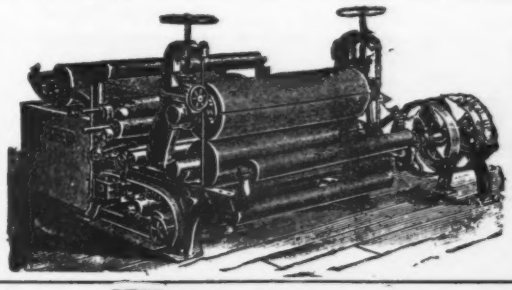

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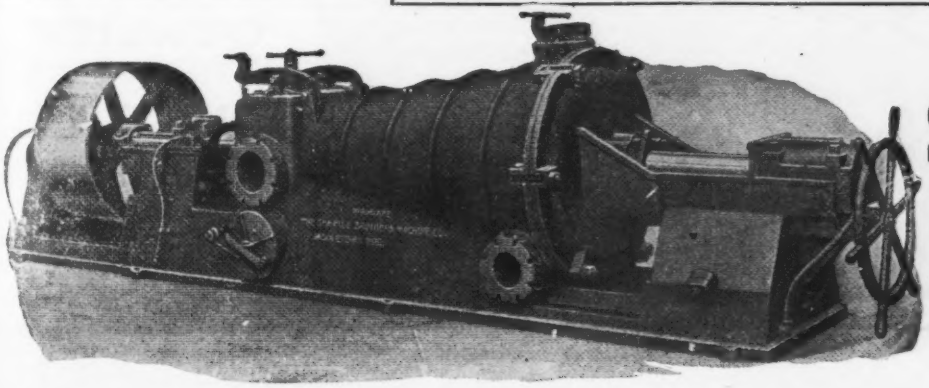

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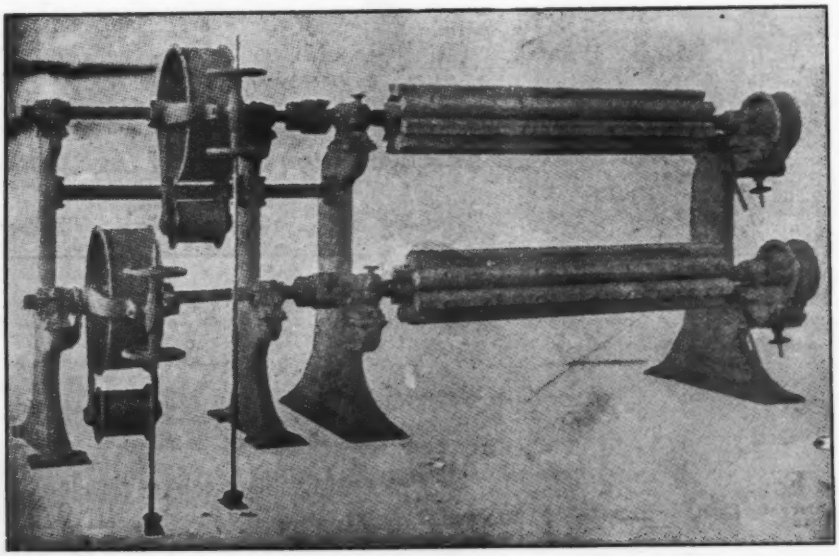

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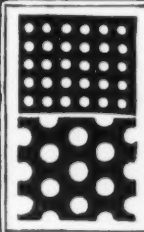
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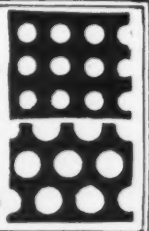

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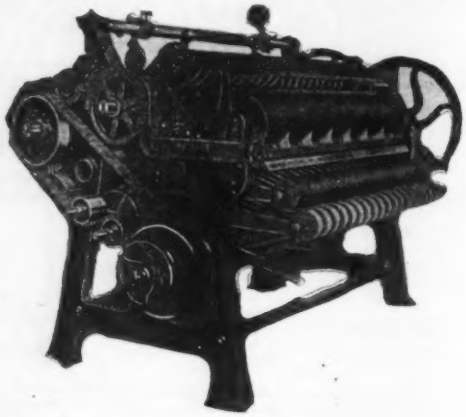

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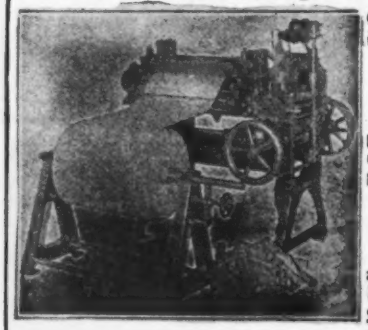

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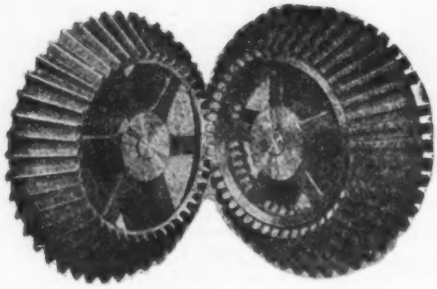

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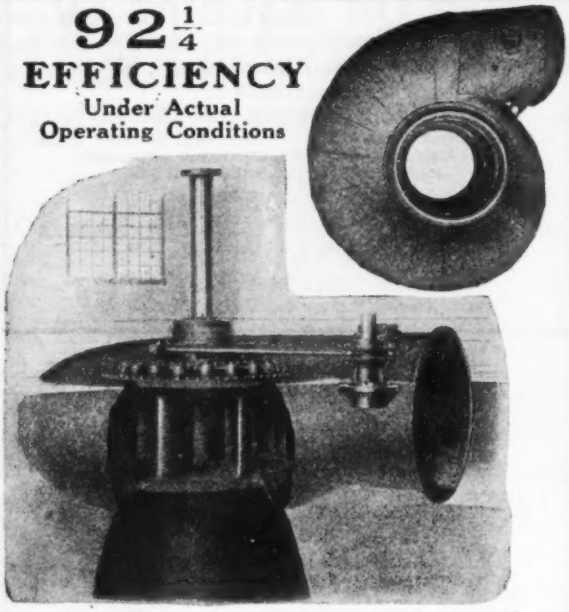

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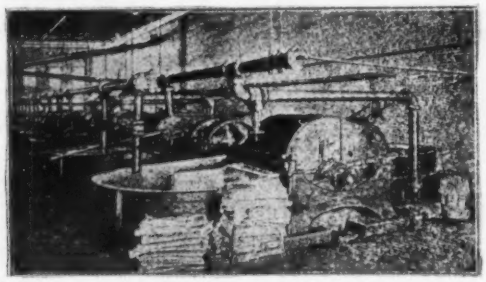

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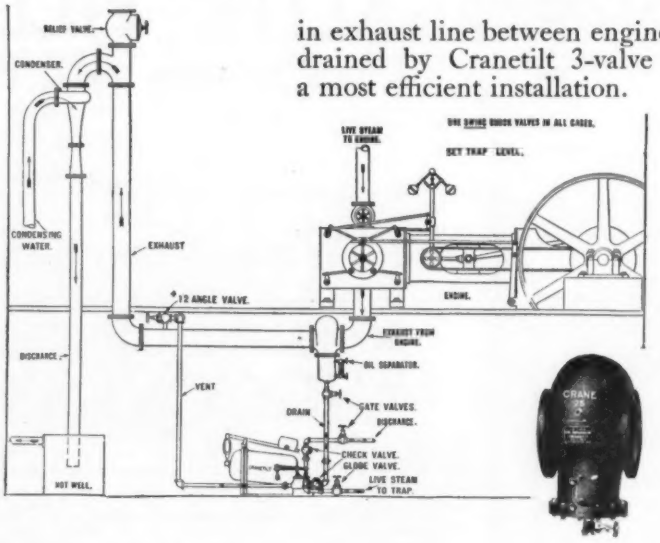

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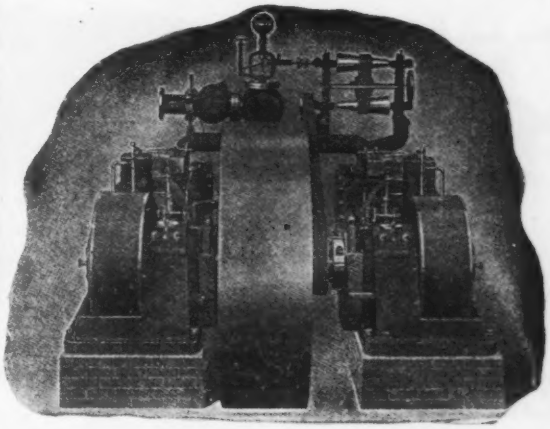

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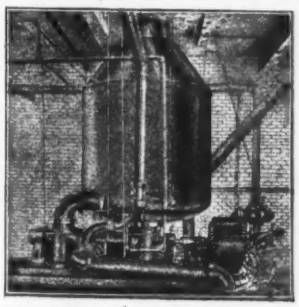

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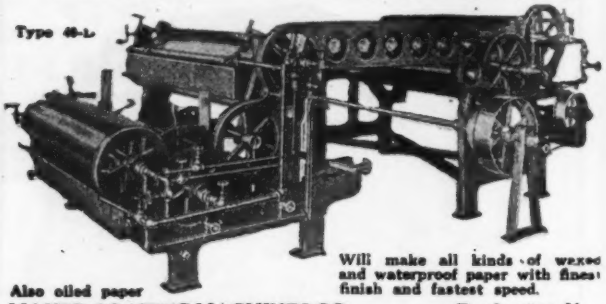

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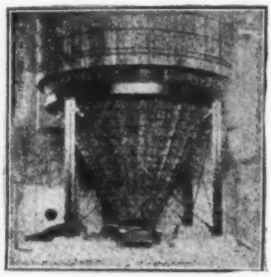

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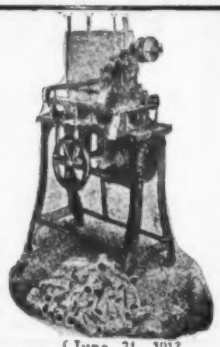


Patented { June 24, 1913 / August 10, 1915

GRISSINGER

Patented

AUTOMATIC TUBE MACHINE

Wire Stitched Tube

TOILET PAPER MACHINERY

GRISSINGER MACHINE WORKS

PHILADELPHIA PA

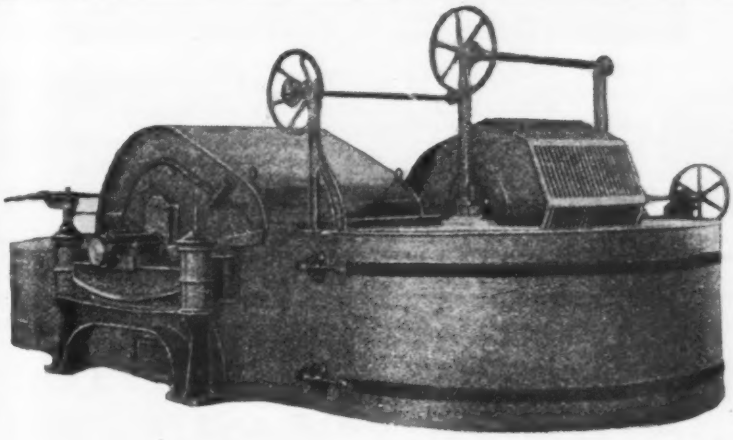
Bleached Sulphite Pulp

RIORDON SALES COMPANY, Ltd., Montreal

Sell 140 tons per day of Bleached Sulphite Fibre made from choicest Quebec spruce wood, produced at Hawkesbury and at Merritton, Canada.

Your patronage will be welcome.

T. J. STEVENSON & GEO. E. CHALLES, SALES MANAGERS



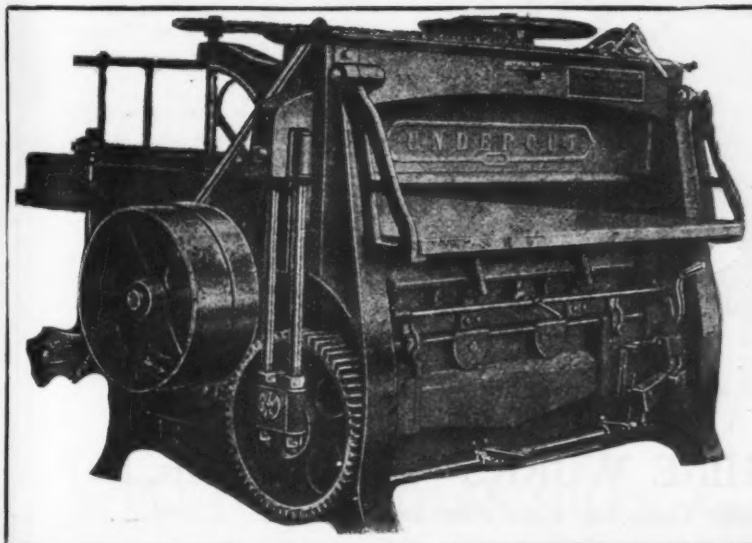
WOOD AND IRON TUB BEATERS

Fourdrinier Machines

Cylinder Machines

Pulp Machinery

Downingtown Mfg. Co.
Downingtown, Pa.



The Undercut Trimmer

The Paper Mill Cutter, combining the highest degree of accuracy, speed and simplicity for the most exact trimming.

The clamping power of the Undercut is not equalled by any other cutter, and assures absolute accuracy in trimming. The safety in operating an Undercut is a very important fact to be considered, as well as simplicity of design and construction carried out in the best manner and workmanship possible.

The speed of the Undercut is such that more cuts can be utilized in the working of our machine than in the high-speed cutters, which not only consume power, but wear out rapidly

Our Power Back Gauge Drive enables the operator to handle material quickly, easily, and more in quantity than can be secured in the use of other machines.

For further and full information, call upon

The Smith & Winchester Mfg. Co.

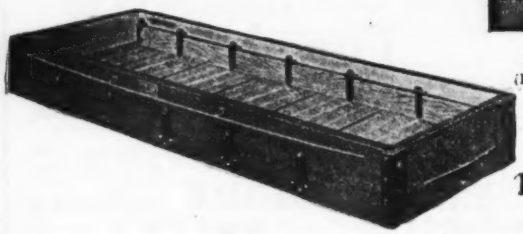
Builders of High Grade Paper Mill Machinery and Paper Bag Machinery

South Windham, Conn.

WILLIAM A. HARDY & SONS COMPANY, Fitchburg, Mass., U. S. A.

UNION SCREEN PLATE COMPANY

FITCHBURG, MASS., U. S. A.
LENNOXVILLE, P. O. CANADA



UNION BRONZE (Best phosphorized Cast Metal) **SCREEN PLATES** ROLLED BRASS (Union Quality)

Old Plates RECLOSED and RECUT to accurate gauge.

UNION BRONZE SCREWS for Screen Plates

UNION BRONZE SUCTION BOX PLATES

Immediate Delivery of the Largest Orders. Satisfaction Guaranteed.

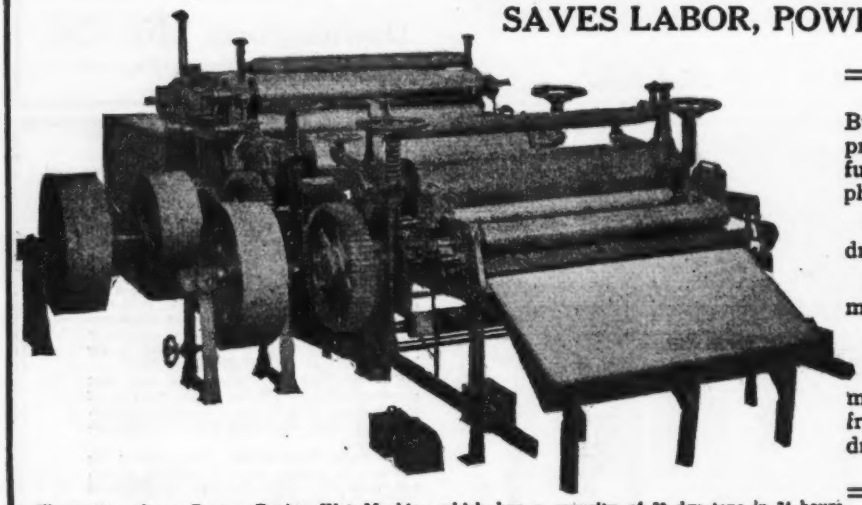
The WITHAM SCREEN PLATE FASTENER, Patented

THE ORIGINAL — THE BEST

Over One Thousand in Successful Operation — Recommended by Screen Makers

ROGERS WET MACHINE

SAVES LABOR, POWER AND FREIGHT



Built both single and double press. They operate successfully on both sulphite and sulphate pulp.

Felt cost is low considering dryness obtained.

Ball bearings for cylinder mould and couch roll.

Automatic felt guide

Handy sheets 33" x 36" automatically deposited in tray at front of machine of a uniform dry test of 47%.

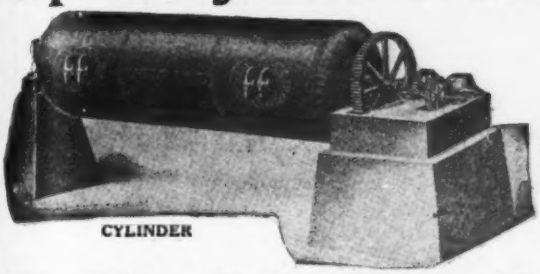
Illustration shows Rogers Double Wet Machine which has a capacity of 30 dry tons in 24 hours.

WORKMANSHIP AND MATERIAL GUARANTEED.

GLENS FALLS MACHINE WORKS : Glens Falls, N. Y.

Try Our Split Cams for Your Flat Screens

Specify "BIGGS" Rotaries



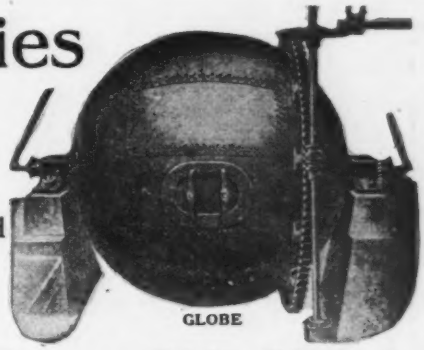
CYLINDER

in "your" next installation!

There's a Reason

Steel pressure and storage tanks for every purpose

WRITE FOR PRICES

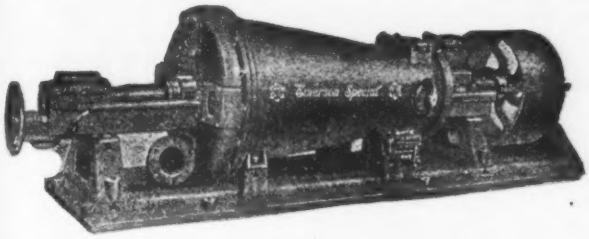


GLOBE

The Biggs Boiler Works Company : Akron, Ohio, U. S. A.

EMERSON MANUFACTURING CO.

LAWRENCE MASS.



See the Second-Hand Machinery ads and note the ABSENCE of

EMERSON BEATING ENGINES

They seldom wear out and are never thrown out.
PERFECT CIRCULATION NO "PADDLING."

The "EMERSON" JORDAN

does its work with half the power required by others of no greater capacity.

WRITE FOR DETAILS.

WESTERN PAPER STOCK CO.,
1452-1458 Indiana Ave. Chicago, Ill

Do You Want Help?

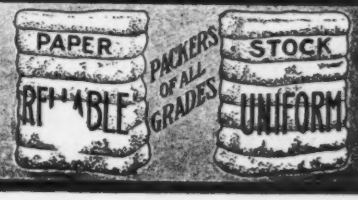
Or have you some machinery you would like to dispose of?

Try the Want Pages

of the

Paper Trade Journal

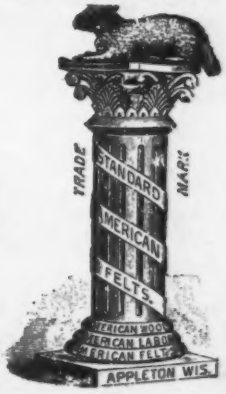
PIONEER PAPER STOCK CO.
438-448 WEST OHIO ST.
CHICAGO, ILL.
Oldest House in the West.



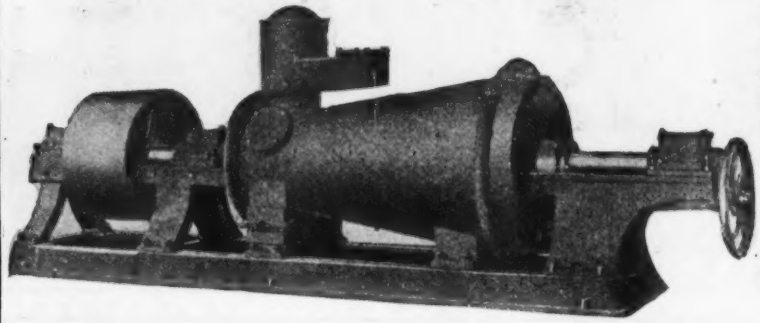
APPLETON FELTS AND JACKETS

Manufactured by

APPLETON WOOLEN MILLS, Appleton, Wis.



THE DILLON JORDAN



Our latest Improved Machine, three sizes; belt or direct connected motor driven. All Bearings self-oiling, adjustable and water-cooled. Outside stand fitted with gauge to keep the plug central with the shell.

For full particulars apply to

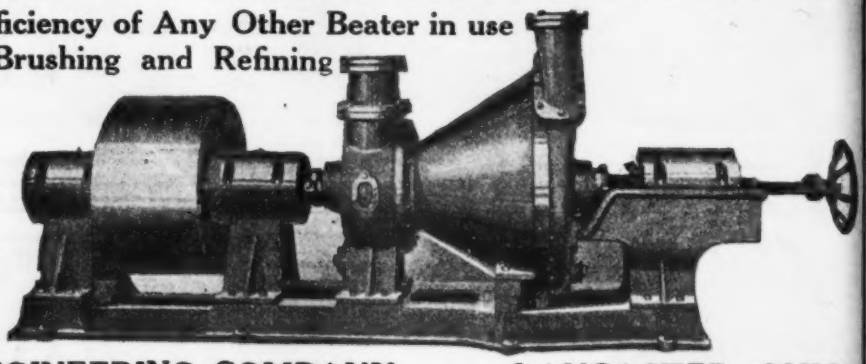
DILLON MACHINE CO., Inc.
Builders of Paper Mill Machinery
Lawrence, Mass.

The Claflin Continuous Beater

Has 3½ Times the Efficiency of Any Other Beater in use today, for Beating, Brushing and Refining Paper Stock.

Has No Superior for Paper or Boards

—250—
Claflin Continuous Beaters Now in Use

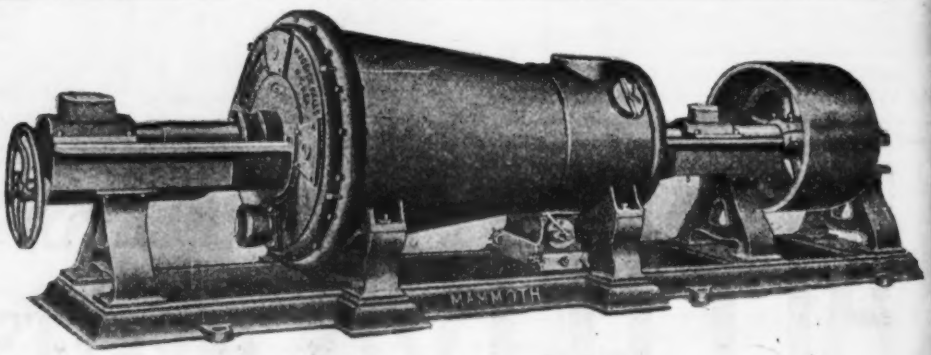


THE CLAFLIN ENGINEERING COMPANY, - LANCASTER, OHIO

The Canadian Fairbanks-Morse Co., Montreal, Quebec, Agents for Dominion of Canada

WE MAKE BEATERS AND JORDANS OF QUALITY

SIX SIZES OF JORDANS, BEATERS, FROM ¾ LBS. TO 3000 LBS.



The Noble & Wood Machine Co., Hoosick Falls, N. Y.

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Service---then sales

HOW to defeat friction---this is the story carried to industry the country over by S K F representatives.

These men are, first of all, Bearing Engineers---salesmen only as they serve.

It is not too much to say that this man-to-man contact, backed by the fund of knowledge constantly available in the S K F Research Laboratories, will be an invaluable aid to the manufacturer in the correction of his technical difficulties.

And only on this basis is S K F Industries willing to undertake the examination of a bearing problem---not looking merely to the sale of specific product, but in a far broader policy of rendering an honest, impartial service.

American manufacturers are invited to this service at any time

S K F INDUSTRIES, INCORPORATED
Sales, Service and Research Division
165 Broadway, New York City

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SKF INDUSTRIES

Hess-Bright Ball Bearings
S K F Ball Bearings
Atlas Steel Balls
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EASTWOOD WIRE M'F'G CO.

FOURDRINIER WIRES

BELLEVILLE, NEW JERSEY, U.S.A.

THE WM. CABBLE EXCELSIOR WIRE MFG. CO.

Established 1848
Incorporated 1870-1896

Manufacturers of
Superior Fourdrinier Wires
Cylinder Wires
Brass, Copper and Iron Wire Cloth of Every Description.
Best Quality of Wire Rope

Write for Price List

74-90 Ainslie St. BROOKLYN, N. Y.

Mill Cogs

ON SHORTEST POSSIBLE NOTICE

We make all kinds of Mill Cogs and have special facilities that will be of great service to you. We make a specialty of **"ready dressed"** cogs which are

READY TO RUN

the moment driven and keyed. Write at once for circular "G" and instruction sheets, free.

THE N. P. BOWSHER CO., South Bend, Ind.
Established 1882.

NATRONA POROUS ALUM

MANUFACTURED BY

PENNSYLVANIA SALT MFG. COMPANY

PHILADELPHIA

C. K. WILLIAMS & CO., EASTON PA.

Proprietors of the Penna. Dry Paint and Color Works and the Helios Dry Color, Chemical and Copperas Works of Allentown, Pa.

Manufacturers, Miners and Importers of Coloring Materials, such as Venetian Reds, Red, Brown, Black, Yellow, Oxides, Chrome and other Ochres, also Paper Fillers—as Agalites, Mineral Pulp, Talc, China and other Clays.

COLORS FOR PAPER MANUFACTURERS' USE

Facts About Gumbinsky Bros. Co.

Largest dealers in paper stock and rags in the world

CHICAGO, ILL.

Occupy more than six acres of a sprinkled floor space, equipped with six electric freight elevators, twenty-two large electric power presses, private switch tracks and platforms for forty cars at one time; over 300 employees grading and packing Rags and Waste Paper; best service on any grade, any quantity and at any time.

GET IN TOUCH WITH US

FOURDRINIER
CYLINDER
WASHER

WIRES

50 years' experience as wire makers insures highest quality of product

"Appleton Wires Are Good Wires"

Appleton Wire Works Appleton, Wis.